Walled Lake
Consolidated Schools
Program of Studies
2017-2018

Walled Lake Central High School
1600 Oakley Park Road
Walled Lake, MI 48390

Walled Lake Northern High School
6000 Bogie Lake Road
Commerce Twp., MI 48382

Walled Lake Western High School
600 Beck Road
Walled Lake, MI 48390

Home of the Vikings

Home of the Knights

Home of the Warriors
# TABLE OF CONTENTS

**Walled Lake High Schools’ Contact Information**
- Walled Lake Central High School
- Walled Lake Northern High School
- Walled Lake Western High School

**Foreword**

**Planning Your High School Program**

**District Policies & Procedures**

**Grading System**
- Grade Point Average
- District Grading Scale
- Weighted Grading - Advanced Placement and Most International Baccalaureate Courses
- Grade Change

**Advanced Academic Programs**
- Advanced Placement and International Baccalaureate Diploma Programme

**Best Work Transcript**

**Independent Study Guidelines**

**Early Graduation**

**Dual Enrollment Procedures**

**Student Assessment**
- ASVAB (Armed Services Vocational Aptitude Battery)
- Standardized Testing
- PSAT 8/9 (Practice SAT)
- PSAT 10 (Practice SAT)
- PSAT/NMSQT
- Junior Year State Required Testing
- SAT/ACT
- AP Exams/IB External Exams

**Benchmark Assessments**

**Response To Intervention (RTI)**

**Commencement Protocol**

**Graduation Honors**

**NCAA Clearinghouse Guidelines**

**Enhanced Learning Opportunities Policy/Procedures**
- FLEX Schedule
- Dual Enrollment
- Testing Out
- Work Based Learning (CO-OP)
- Online Learning
- EDGENUITY (Formerly Known As E2020)

**Admissions Policies**
- Enrollment
- Add/ Drop

**Appropriate Behavior and Use of Technology**
Online Academic Policies

Recognition Of Credit

Credit and Grading

Transfer Credit

NCAA Credit

Academic Integrity

Technology Access

Mentoring of Students

Pupil Accounting

Title VI/Title IX

ADA Compliance

Tuition

Alternative High School Programs

Oakland Opportunities Academy (OOA)

Oakland Accelerated College Experience (Oakland ACE) – An Early College Program

Graduation Requirements

Responsibilities for Program Selection

Student & Parent

Teacher

Counselor

Administrator

Freshman Checklist

Sophomore Checklist

Junior Checklist

Senior Checklist

Recommended College Preparatory Curriculum

Sample College Prep Four-Year Plan

Choose Your Career Pathway

Career Pathways

Importance of Career Planning

Career Cruising and the Personalized Education Development Plan (EDP)

The Six Career Paths

Arts & Communication

Business, Management, Marketing & Technology

Engineering/Manufacturing & Industrial Technology

Health Sciences

Human Services

Natural Resources and Agriscience

Website Resources

For General College Information

Parents

Standardized Tests, Test Prep, & Course Help

Careers

Nondiscrimination Policy & Complaint Procedure

Department & Individual Course Descriptions

International Baccalaureate Diploma Programme
<table>
<thead>
<tr>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts Department</td>
</tr>
<tr>
<td>Visual Arts</td>
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<tr>
<td>Performing Arts</td>
</tr>
<tr>
<td>Career Technology Department</td>
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<td>English Department</td>
</tr>
<tr>
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<tr>
<td>ESL Content Area Clusters</td>
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<td>Health &amp; Physical Education Department</td>
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<td>Mathematics Department</td>
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<td>Miscellaneous Department</td>
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<tr>
<td>Science Department</td>
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<tr>
<td>Social Studies Department</td>
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<tr>
<td>Social Studies Electives</td>
</tr>
<tr>
<td>Special Services Department</td>
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<tr>
<td>World Language Department</td>
</tr>
<tr>
<td>Oakland Schools Technical Center</td>
</tr>
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</table>
Walled Lake High Schools’ Contact Information

**Walled Lake Central High School**
1600 Oakley Park Rd
Walled Lake, MI 48390
Main Office: (248) 956-4700
Fax: (248) 956-4718
Counseling Office: (248) 956-4827
Fax: (248) 956-4782
http://www.wlcbsd.org/central

**Walled Lake Northern High School**
6000 Bogie Lake Rd
Commerce Twp, MI 48382
Main Office: (248) 956-5300
Fax: (248) 956-5305
Counseling Office: (248) 956-5334
Fax: (248) 956-5348
http://www.wlcbsd.org/northern

**Walled Lake Western High School**
600 Beck Rd
Walled Lake, MI 48390
Main Office: (248) 956-4400
Fax: (248) 956-4405
Counseling Office: (248) 956-4440
Fax: (248) 956-4504
http://www.wlcbsd.org/western
Foreword

This 2017-2018 High School Guide has been revised to assist students in planning a schedule of classes for their high school career. This booklet also will be used by counselors, administrators, parents, and teachers as they assist the students in planning their educational programs. Walled Lake Consolidated Schools continues our commitment to provide our students a unified, articulated, and rigorous curriculum for grades 9 - 12.

Considerable thought should be given to the full four-year program students will pursue. Some courses are considered essential for college enrollment. Others are designed for mastery of job entry skills. Still other courses are designed for personal growth, enrichment, and satisfaction. Courses should be selected because they meet the requirements of the goal that the student has selected.

With the large number of course selections available to students, a great deal of thought and planning must also go into determining a schedule. Students should discuss their course interests with counselors, teachers, and parents. They should ask questions and make sure that their selections meet their needs.

Finally, once they have determined their schedule, they should put forth the time and effort that will guarantee a successful year. In addition to the rigorous academic component of our schools, we also offer an array of athletic and extracurricular opportunities. Students may select from a variety of different sports and activities in order to further enrich their high school experience.

Walled Lake Schools provides support services to assist students both while in school and in making decisions about life after high school. We offer counseling services, career guidance, study skills, special education programs, bilingual education and media services.

Our goal is to provide every student with a rewarding and engaging high school experience. We believe that you will be impressed with the quality of our schools.

Charting a path through high school and beyond is critically important to the student and should be approached with extreme care. This document is updated continually online. Please check often for changes in policies and procedures.
Planning Your High School Program

Planning a four-year high school program is a serious undertaking. Although many of your courses will be determined by the graduation plan you select, you will still have many other choices to make during your years of school. The courses you select will be guided largely by your plans for the future. Will you continue your education in college or in a trade or vocational school? Do you want to learn a career skill in order to enter the full-time work force immediately after high school? Are you interested in a technical field? Are you thinking of entering a professional field that requires many years of specialized education? The answers to these questions are important for making decisions about your course selections for all four years in high school. Your interests and abilities should also guide those answers.

Some students are sure of their future plans; others are not. It is also common for young people to change their minds about which career to choose. For this reason, it is important for you to plan as challenging a program as you can; if your career plans should change, then it will not be as difficult to move into another program. While it may sometimes seem tempting to schedule a less demanding combination of courses, choosing courses that meet your needs or interests is the best way to prepare for your future.

Walled Lake Schools offers you many ways to prepare for a productive adult life. We provide a wide range of programs that prepare students for post-high school experiences: college, business school, vocational-technical school, military service, fine arts participation, full-time employment, and other areas. The programs offered allow a student to choose the program best suited for him/her, whether that program is the traditional college preparatory or a career preparatory program.

The section on Career Pathways is provided to assist you in preparing a personalized Educational Development Plan (EDP). This section of the guide explains future career options in terms of a student's interest areas with suggested courses and activities that will help you arrive at your goal in life.
Grading System

Grade Point Average (GPA)
Grade point averages are computed by dividing the total grade points earned by total the number of courses taken. Points shall be computed using the district grading scale. Only final semester grades are used when calculating cumulative GPA’s.

District Grading Scale
The district wide grading scale for grades four through twelve is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>100% and above</td>
</tr>
<tr>
<td>A</td>
<td>99% - 92%</td>
</tr>
<tr>
<td>A-</td>
<td>91% - 90%</td>
</tr>
<tr>
<td>B+</td>
<td>89% - 88%</td>
</tr>
<tr>
<td>B</td>
<td>87% - 82%</td>
</tr>
<tr>
<td>B-</td>
<td>81% - 80%</td>
</tr>
<tr>
<td>C+</td>
<td>79% - 78%</td>
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<tr>
<td>C</td>
<td>77% - 72%</td>
</tr>
<tr>
<td>C-</td>
<td>71% - 70%</td>
</tr>
<tr>
<td>D+</td>
<td>69% - 68%</td>
</tr>
<tr>
<td>D</td>
<td>67% - 62%</td>
</tr>
<tr>
<td>D-</td>
<td>61% - 60%</td>
</tr>
<tr>
<td>E</td>
<td>59% and below</td>
</tr>
</tbody>
</table>

Weighted Grading - Advanced Placement and Most International Baccalaureate Courses
The Walled Lake high schools offer a number of advanced academic programs. The purpose of these programs is to provide challenging college preparatory programs for students. In recognition of the rigorous academic standards that Advanced Placement courses represent, the following weighted grading system has been established:

A = 5.0    B = 3.75    C = 2.5    D = 1.25    E = 0.0

Grade Change
If an agreement is reached between the teacher and student, the teacher will submit a Grade Change Request form. If the student wishes to appeal a grade given by a teacher, the district shall implement procedures which comply with Act 232 of the Public Acts of 1988 more commonly referred to as MCLA 380.1249.

These procedures include, but are not limited to:

1) The student submitting to the principal, a written request for a grade change stating the reason for the proposed change within 30 days after receipt of notice of the grade.
2) The student submitting a written request to the superintendent for review by the Review Panel.
3) The student attending a meeting with the Review Panel.
4) The decision of the Review Panel shall be issued in writing to all parties.
Advanced Academic Programs

Advanced Placement and International Baccalaureate Diploma Programme

Walled Lake Consolidated Schools offer a number of advanced academic courses. By taking Advanced Placement (AP) or International Baccalaureate (IB) courses you enter a world of knowledge and a learning environment that you might not otherwise experience in high school. By taking AP or IB exams, you have the opportunity to earn credit or advanced standing at many of the nation’s colleges and universities. The greatest benefit of AP/IB is the experience of taking academic courses in an enriched environment with classmates who, like you, are seeking intellectual challenge, are committed to learn, and are committed to excellence. Participating in these courses is going to give you a head start on exactly the sort of work you will confront in college.

Advanced Placement (AP) courses are offered in all our high schools. While the availability of classes differ among the schools, in Walled Lake we offer 20+ different AP courses. Please see the table below for a listing of our AP classes. Surely, among all these offerings you can find classes that match your interests.

The International Baccalaureate Diploma Programme (IB) located at Western High School, is available to all high school students. The 2-year IB Diploma Programme is designed to meet international standards of excellence and is typically completed by students in grades 11 and 12. IB features a comprehensive and broadly based curriculum that includes languages, social studies, science, mathematics, and electives culminating with examinations in six subject areas. Students may either enroll in the full Diploma Programme or take individual courses.

What Are The Requirements?

In this Course Catalog you will find prerequisite courses for AP and IB courses. Other than that, the only requirements for becoming an AP/IB student are a curiosity about the subject you plan to study and the willingness to work hard. Students who wish to enroll as an IB Diploma Candidate need to apply online. The online application is located on the district IB website.

What AP/IB Courses are offered?

Descriptions of these advanced academic courses are included in this Program of Studies booklet under each department heading. To learn more about IB courses, please consult the IB Course Offerings document posted in the IB section of the district website.

| Art: | AP Studio Art  
| IB Theatre SL  
|  
| English: | AP English Literature  
| AP English Language  
| IB English HL  
|  
| Science: | AP Biology  
| AP Chemistry  
| AP Environmental Science  
| AP Physics 1, 2, & C  
| IB Biology SL/HL  
| IB Environmental Systems SL  
| IB Chemistry SL  
| IB Physics SL  
|  
| Computer Science: | AP Computer Science  
| AP Computer Science Principles  
|  
| Social Studies: | AP US History  
| AP Government  
| AP Microeconomics  
| AP Psychology  
| AP World History  
| IB Psychology  
| IB Global Politics SL/HL  
|  
| Mathematics: | AP Calculus AB  
| AP Calculus BC  
| AP Statistics  
| IB Math SL/HL  
| IB Math Studies SL  
|  
| World Language: | AP French  
| AP German  
| AP Spanish  
| IB French SL/HL  
| IB German SL/HL  
| IB Spanish SL/HL  
| IB French ab initio  
| IB German ab initio  
| IB Spanish ab initio  
|  
Walled Lake Consolidated High Schools’ Program of Studies
**Best Work Transcript**
- The best work of each student will be reflected in his or her official transcript. If a student repeats a class, they may request a Best Work Transcript.
- The low grade for the repeated class will be dropped from the student transcript and will not be figured into the computation of the GPA.
- The repeated class will be assigned a symbol “R” indicating repeated.
- Students will receive a letter grade credit for their best work when repeating the class in summer school or at any accredited school.
- Students will receive letter grade credit for their best work when repeating the class during the regular school year.

**Independent Study Guidelines**

**Student Criteria**
- A student must be in the 11th or 12th grade and may elect to take independent study for a semester or a year.
- A student must have demonstrated clear proficiency in the field of study elected.
- A student must complete an application, which shall be submitted to the counselor with the topic to be studied and the teacher who will direct the study. The application will include the topic to study, an outline of techniques and procedures the student will use, and the expected outcomes. The application deadline is one week prior to the start of the semester.
- Daily attendance is required.

**Teacher Criteria**
- A teacher may have no more than two students during any semester enrolled in independent study.
- A teacher will monitor the attendance and supervision of a student enrolled in independent study.
- A teacher will take a student on independent study only in a course we do not offer in the master schedule, or when special arrangements have been made with the building principal.
- A teacher will take a student on independent study only during a class period in which the teacher is not assigned a class. Special arrangements can also be made with the building principal.

The independent study committee consisting of the student, teacher, department chair, and principal must review any deviation from the above criteria.

**Early Graduation**
A student who, for educational and vocational reasons, wishes to graduate from high school in fewer than the eight (8) semesters in the grades 9-12 sequence may request permission for early graduation. The student and parent(s) shall consult with high school administrative and guidance personnel in order to develop a graduation plan.

The student shall request in writing, from the building principal, permission for early graduation with reasons supporting his/her plan and request. Examples of reasons to be given consideration are:

- Hardship circumstance
- Vocational opportunities
- Enlistment in the military occupations
- Pursuit of a specialized education objective
- College entrance and matriculation

All written requests for early graduation must be submitted to the building principal no later than May 1st of the previous school year in which they wish to graduate.
Dual Enrollment Procedures
Walled Lake students can take college level courses that may count for both high school and college credit. Seniors, juniors, sophomores and freshmen who meet the criteria, are eligible for tuition payment by Walled Lake Consolidated Schools.

State law (Public Act 160 created the Post-Secondary Enrollment Options Act - PSEO) mandates that tuition, mandatory course materials and registration fees are paid only if the following criteria are met:

- The student must be a 9th—12th grade student enrolled in Walled Lake during the time of dual enrollment.
- The student must be enrolled in the post-secondary institution during the high school academic year.
- Students must meet the requirements for endorsement in all subject areas for the courses they wish to enroll in. The assessments used to meet this criteria would be either the EXPLORE, PLAN, ACT, PSAT, SAT, Accuplacer/ALEX or the MME.
- Students may not withdraw from a college course and add replacement courses at a Walled Lake High School.
- Students who withdraw from a course after the drop period, will be responsible for reimbursement to the district any non-refundable expenses.
- Students must provide evidence of a course grade, otherwise an E grade will be posted to their transcript.
- Eligible college courses: 1) The course is not offered by WLCS; 2) The course is offered in WL but is determined to not be available to the student because of scheduling conflicts beyond the student’s control; 3) The college course cannot be a hobby, craft, recreational, physical education, theology, divinity or religion course.
- The amount of tuition reimbursement the student receives is based on the per student cost at the district level and the proportion of courses a student takes at the college level.

The State of Michigan School Code of 1976, as amended by 1993 Public Act 335, section 1150 states that any student not meeting the above standards may receive dual credit for coursework at a community college or public university with no reimbursement of fees. Please work with your counselor if you would like to consider dual enrollment.

Student Assessment

ASVAB (Armed Services Vocational Aptitude Battery)
- This test is administered during the school day in the Fall.
- There is no cost for taking this test.
- Target group is 11th/12th graders.
- Sign up for test in advance in the Counseling Office.

Standardized Testing
Important tests are given throughout the year. Please check in the counseling department office, school newsletters, or in the Career Resource Center for specific dates, times, locations, and cost of the test you are interested in.

PSAT 8/9 (Practice SAT)
- Target group is all ninth grade students.
- Administered during the Spring.

PSAT 10 (Practice SAT)
- Target group is all tenth grade students.
- Administered in the Spring.
**PSAT/NMSQT**
- National Merit Scholarship Qualifying Test.
- Target group is interested eleventh grade students.
- Administered in the Fall.

**Junior Year State Required Testing**
This exam is required for graduation.
- Dates are determined on an annual basis.
- Target group is 11th graders.
- Subject areas tested include: Math, Science, Reading, Writing, and Social Studies.
- Tests are administered during the school day inclusive of:
  - SAT- State of Michigan determined college entrance exam (Spring)
  - ACT WorkKeys (Spring)
  - State of Michigan Supplemental Tests (Spring)
- No charge for district required tests.
- The SAT may be used for college application requirements.

**SAT/ACT**
- Testing dates are scheduled on Saturdays throughout the year as determined by the testing organization.
- SAT/ACT tests are college entrance exams.
- Go to [www.collegeboard.org](http://www.collegeboard.org) (SAT) or [www.actstudent.org](http://www.actstudent.org) (ACT) for details and to register.
- The cost of all exams beyond the district requirement are the responsibility of the student.

**WIDA ACCESS**
This assessment is a federal requirement for all students identified as English Language Learners.
- Administered by ESL staff during the school day (Spring)
- No charge
- Students will be assessed in the four language domains: reading, writing, listening, and speaking.

**AP Exams/IB External Exams**
(Advanced Placement and International Baccalaureate Exams)
- Dates are determined by the AP Board/IB Organization.
- AP Exams are taken during the first two weeks in May.
- IB Exams are taken during three weeks in May.
- Exams are given during the school day at specific times, determined by the AP Board/IB Organization.
- Costs are established by the AP Board/IB Organization. AP exams cost approximately $95.00 per exam. IB external exams cost approximately $116 per exam. The annual IB registration cost is approximately $168 regardless of the number of exams for which a student registers.
- College credit is determined by the AP exam score or IB course score.
- Students are responsible for their own transportation to and from all AP and IB Exams.

**Benchmark Assessments**
- Benchmark Assessments (BAs) are common district assessments.
- BAs are cross-curricular.
- BA values are determined by subject.
Response To Intervention (RTI)
The RTI process at Walled Lake Consolidated Schools uses achievement data, documentation, and general education strategies to identify and support students in need of academic interventions.

The RTI Process:
- Students are identified as needing RTI based on their grades.
- Parents of students showing poor academic progress will be contacted and given information about the academic support services available to students.
- Students will then be monitored through the end of the marking period. If there is no improvement, data will be collected from teachers and a meeting may be held which includes the student, parent, administrator and counselor. At this meeting the student will develop a SMART Goal and interventions will be chosen.
- If at the next progress report there is still no improvement, a RTI meeting will be scheduled to discuss the results of the interventions. A referral may be made for Special Services. The RTI meeting will include: an administrator, counselor, student, parent, at least one teacher, and special services staff as needed.

Commencement Protocol
Graduation Honors
All students who maintain a cumulative GPA after 7 semesters will graduate with academic honors as described below:

- 4.0 and above GPA: Highest Academic Honors (Summa Cum Laude)
- 3.80 - 3.999 GPA: High Academic Honors (Magna Cum Laude)
- 3.50 - 3.799 GPA: Academic Honors (Cum Laude)

Highest Academic Honors, High Academic Honors, and Academic Honors students will be recognized in the Commencement Program and be publicly recognized at graduation.

Highest Academic Honor students will receive a medallion, which can be worn at graduation.

Students with the Highest Academic Honors designation will be eligible to speak at graduation. The Graduation Committee, in combination with this group of students will determine whether one or more students will speak.

NCAA Clearinghouse Guidelines
Any student, who might participate in athletics at the college level, should be aware of the requirements of the NCAA that determine eligibility. Meeting Walled Lake Schools’ graduation requirements does not assure a student will be in compliance with the NCAA requirements. Students should consult with their counselor when selecting courses to insure they fulfill NCAA core requirements.

To be certified by the Clearinghouse, you must:

1. Graduate from high school.
   You should apply for certification at the end of your sophomore year if you are sure you wish to participate in athletics as a college freshman. When you register, the Clearinghouse will issue a preliminary certification report. After you graduate, the Clearinghouse will review your final transcript, including your senior grades. At that point, they will make a final certification decision.
2. **For Division 1 Eligibility**, earn a grade-point average of at least 2.30 (on a recalculated 4.0 GPA scale) on all NCAA approved courses. **Division 2 Eligibility** will require a minimum 2.00 GPA (on a recalculated 4.0 GPA scale). The Clearinghouse will compute your Core GPA from classes that meet the established academic standards and have been pre-approved in the following core areas. No special values are allowed for “+” or “−” grades. See chart below for required core courses.

<table>
<thead>
<tr>
<th></th>
<th>Division I</th>
<th>Division II</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Core</td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Math Core</td>
<td>3 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Science Core</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Social Science Core</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>From English, Math, or Science</td>
<td>1 year</td>
<td>3 years</td>
</tr>
<tr>
<td>Additional Core (English, Math, Science, Social Science, World Language)</td>
<td>4 years</td>
<td>4 years</td>
</tr>
<tr>
<td><strong>TOTAL CORE UNITS REQUIRED</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

3. **Earn a combined ACT score** (English, Science, Reading and Math Scores) or a combined SAT score (Critical Reading and Math) that meets or exceeds the following:

This index applies to students enrolling as college freshmen who wish to participate in Division I (2.300 minimum recalculated GPA required) or Division 2 (2.00 recalculated GPA required) athletics:

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT</th>
<th>ACT Sum</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.550 &amp; Above</td>
<td>400</td>
<td>37</td>
</tr>
<tr>
<td>3.500</td>
<td>420</td>
<td>39</td>
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<td>3.400</td>
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<td>620</td>
<td>52</td>
</tr>
<tr>
<td>2.900</td>
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<td>54</td>
</tr>
<tr>
<td>2.800</td>
<td>700</td>
<td>57</td>
</tr>
<tr>
<td>Core GPA</td>
<td>SAT</td>
<td>ACT Sum</td>
</tr>
<tr>
<td>----------</td>
<td>-----</td>
<td>---------</td>
</tr>
<tr>
<td>2.700</td>
<td>740</td>
<td>61</td>
</tr>
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<td>2.600</td>
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<td>64</td>
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<td>79</td>
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<tr>
<td>2.100</td>
<td>980</td>
<td>83</td>
</tr>
<tr>
<td>2.000</td>
<td>1020</td>
<td>86</td>
</tr>
</tbody>
</table>

Go to: [www.eligibilitycenter.org](http://www.eligibilitycenter.org) to register or for more information
Enhanced Learning Opportunities
Policy/Procedures

Introduction
In an effort to support enhanced educational opportunities for secondary students, Walled Lake Consolidated Schools has partnered with several alternative educational providers to increase flexibility for credit recovery, college credit, and educational enrichment programs using some of the latest technology. The applications for these opportunities can be found in the Counseling Office.

These opportunities include the following formats: flex time schedules or dual enrollment. The following definitions will help in the understanding of the format of instruction and methods available for these enhanced educational opportunities.

FLEX Schedule
A student may enroll in as few as four (4) classes during the regular day and take as many as two (2) of his/her classes outside the school day. A student must enroll in Edgenuity (formerly known as E2020) as the online provider, or have building principal approval for other programs. Course work must be done away from school and students must leave the school campus during this time. All courses must be completed during the regular school semester timelines and final exams will be completed at school, if applicable.

Dual Enrollment
High school students can be considered eligible to take college courses in Michigan public or private degree-granting institutions if they meet state eligibility guidelines. Eligible charges to the district may include tuition, mandatory course or material fees, and registration fees. For more, visit the following link: http://www.michigan.gov/mde/0,1607,7-140-6530_40085---,00.html

Testing Out
Changes in the Michigan State School Code allow students enrolled in high school to “test out“ of any class in which they are not currently enrolled.

- Students may not test out of courses they have already taken for a grade and/or credit.
- Students must demonstrate mastery of course content by attaining 78% (C+) or better on a comprehensive final examination.
- Assessments may include portfolios, performances, papers, projects and/or presentations. Assessments required of students are comparable and equivalent to those normally required of students taking the course.
- While testing out will allow students to accelerate through a course, no grade will be earned by testing out of a course. Credit earned will not be counted toward graduation requirements and will not be counted in the computation of the grade point average (GPA).
- Once credit is earned by “testing out”, students may not receive credit for a lower course in the course sequence.
- Students who wish to “test out” of a class for the upcoming school year, must return a completed Testing Out Application to the Counseling Office no later than May 1st for the August examination. The application must include a parent signature. Applications are available in the high school Counseling Office.
- Testing out examinations will be administered in August of each year.
Work Based Learning (CO-OP)
Work-Based Learning experiences involve the study of communication, career strategy, school-to-career transition, workplace expectations, and self-awareness. Students explore their chosen career pathway and gain valuable work experience in that pathway. WBL is a program of on-the-job training for students who wish to work in a supervised program for credit. Work-Based Learning is a State-approved paid work experience. The purpose of work-based learning is to use real work as the primary source of learning. The State of Michigan guidelines will be followed to ensure a valuable work experience.

To participate in any of the Work-Based Learning (WBL) options, student must be accepted into the Work-Based Learning program. Their attendance and grade in the required related class must be in good standing according to the signed application and Work-Based Learning contract. In order to remain in the WBL activity their grades in the related class taken simultaneously with the WLB experience must meet the WBL criteria.

Online Learning
The benefits of online learning include expanding the curriculum offerings beyond what many individual schools and school districts may be able to provide; offering additional opportunities to students and educators to learn new subjects and receive ‘on time’ training; and focus on the individual learner with an ‘anytime, anywhere’ method of delivery.

To be successful in an online or correspondence class, a student must be a self-starter, with a strong sense of direction and the ability to set goals and follow through with them. A successful student can work independently, stay on task and maintain a regular schedule of logging in and keeping up with course expectations. The student must have the ability to keep up with ongoing, sometimes very demanding expectations without the constraints of a ‘fixed time and place’ setting. The content of courses is generally as rigorous (or as difficult) as those found in a face-to-face classroom course. In some cases, courses require regular interaction with the instructor and frequently the other students in a course. The student can expect to log on daily for updates, messages and communication among participants. A course is different, not necessarily easier or harder.

These enhanced learning opportunities also present the potential ‘pitfall’ of isolation that may occur from this form of individual learning experience due to the lack of personal instruction with a teacher.

Online courses have been found to be a valuable option for the following:

● college-bound students in need of advanced or specialized coursework
● students wanting to improve their skills in specific subject areas
● homebound or other reasonable need for credit recovery to complete the graduation requirements
● students with a high degree of self-discipline and motivation and the ability to keep up with demanding expectations

EDGENUITY (Formerly Known As E2020)
Edgenuity provides online courses (credit recovery, or course advancement) that are taken through the school. These online classes range from the most simple, self-paced tutorial format to highly interactive, and content rigorous experiences.

The multimedia-rich, virtual classroom engages students in the learning process through animations, simulations, video-based presentations, online content, vocabulary development, and exploration activities that support each lesson presented by the virtual classroom teacher. Online embedded homework, evaluations, and other activities reinforce student understanding with content mastery that is measured through formative and summative assessments delivered for each class. When applicable, final exams will be completed at school.
For more information on course descriptions visit http://www.edgenuity.com/curriculum-research/course-search/

**Admissions Policies**

The following guidelines outline the expectations, practices and procedures that are in place in Walled Lake Consolidated Schools and are used by counselors, teachers, and administrators when considering enhanced learning opportunities for students.

**Enrollment**

Students who are registered with the Walled Lake Consolidated Schools may choose to enroll in Edgenuity online courses with prior approval. The Michigan Department of Education (MDE) guidelines allow up to two courses per semester during the regular school day with no seat time waiver required. For specific guidelines, go to the MDE web site at http://www.michigan.gov/documents/mde/2009_PUPIL_AUDITING_MANUAL_291674_7.pdf

The academic calendar for all enhanced learning opportunities for students who enroll in these classes will be established prior to enrollment. Students will be expected to complete online courses within the school semester timeline.

The school counselor must be involved in the coordination of the scheduling process to ensure that proper documentation is established for credit acceptance and to verify that the student meets or exceeds the guidelines established by the State for purposes of pupil accounting.

If a student wishes to enroll in these enhanced learning opportunities in addition to a full schedule of six (6) classes, it will be at the discretion and approval of the district and at the expense of the student.

The district has agreed to limit online courses, correspondence courses or summer school to no more than two (2) credits beyond the regular school day, per school year. Waiver of this policy may be granted by the building principal on a case by case basis.

Students may enroll in any of the enhanced educational opportunities under one or more of the following conditions:

- Credit recovery needed for timely graduation (credit recovery in summer school, during the school day in lieu of an elective, or after school)
- Unavoidable scheduling conflicts
- Any academic course not offered in the home high school
- Pre-approval of elective courses to complete graduation requirements
- Specialized student interest(s)
- Preferred mode of learning

**Add/ Drop**

Procedures for fees and payment are established through the student’s high school before the student enrolls in a course, and are based on current dual enrollment guidelines and flextime schedule policies. Students may apply for enrollment in an Edgenuity online course before the enrollment period has ended. If students wish to withdraw from a course after the drop period, the student will be responsible for reimbursement to the district any non-refundable expenses. If a student drops the course after the drop period, a grade of “E” will be placed on the student’s transcript and will be counted in the cumulative GPA calculation.
**Appropriate Behavior and Use of Technology**

Students will be subject to the Walled Lake Consolidated Schools Technology Usage Policy and Acceptable Use Policy (AUP). An AUP contract, signed by a parent or guardian and student, must be on file. Procedures outlined in the Acceptable Use Policy will apply to all online courses. All students participating in an Edgenuity online course are expected to conduct their communications in a professional, respectful manner as outlined in the student code of conduct in effect at Walled Lake Consolidated Schools. The use of proper Internet protocol is expected at all times. Inappropriate language or behavior will result in disciplinary action and possible removal from the course at the discretion of the Walled Lake Consolidated Schools.

**Online Academic Policies**

**Recognition Of Credit**

If a class is approved by any of the six accrediting agencies recognized by the United States Department of Education (North Central, New England, Middle States, Southern, Northwest and Western Associations), the MDE, an Intermediate School District or the Michigan legislature, they will be accepted by the WLCSD. Accrediting information can be obtained from the website of the International Council of School Accreditation Commission [www.cois.org](http://www.cois.org)

**Credit and Grading**

WLCSD will determine the amount of credit and the equivalent grade using the district grading scale in either letter or GPA format once the number of hours required to complete the course is verified and matched with that of the regular high school curriculum.

**Transfer Credit**

Guidelines for the acceptance of transfer of credits are the same as in any other course/transcript transfer situation. The high school will have the responsibility and authority to make a designation on a student’s transcript in accordance with current policies regarding other transfer credits (e.g. correspondence, home school and dual enrollment courses). Online, correspondence, and dual enrollment courses will be graded and credit will be transferred back to WLCSD from the educational provider.

**NCAA Credit**

Courses taught via the Internet, distance learning, independent study, individualized instruction, correspondence or similar means may be used to satisfy NCAA core-course requirements if approved by the NCAA. It is the student’s responsibility to verify that the course is NCAA approved at [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

*Please note that the Edgenuity (E2020), online, and correspondence courses do not meet the NCAA credit guidelines. [www.edgenuity.com](http://www.edgenuity.com/)*

**Academic Integrity**

Students must sign and return a student code of ethics (plagiarism) form to deter possible cheating and to inform students and parents of the consequences. This may be modified to incorporate a student’s participation in an online course, with clearly defined sanctions for abuse of the privilege. All school policies on cheating or fraud will be applicable as outlined in the student code of conduct.

Some courses will require that exams and tests be given in the high school setting and proctored by the onsite teacher mentor. Also, it is the expectation of the Walled Lake Consolidated Schools that a student will conduct him/herself in compliance with all student rules and regulations even if the student is taking the online class in another setting. This may be consistent with other student behavior guidelines, rules
or policies that govern the behavior of students in education-related settings (such as athletic events, field trips, etc.). If inappropriate behavior is reported while a student is participating in an online course the school code of conduct will be enforced.

**Technology Access**
For students taking Edgenuity online courses as part of their regular class schedule, students will have access to a computer during normal school hours at the discretion of the high school. Students may be required to do some of the online coursework at the high school location, in addition to independent work outside of the regular school day/week.

Students on a flex schedule working outside the school setting must be aware of the need to access equipment that meets the minimum requirements as specified in the online course description.

**Mentoring of Students**
The role of the student’s mentor will be determined by the school, and be made based on the situation of the student involved, and in keeping with the current Michigan Department of Education guidelines. for determining pupil instructional time for virtual classes. The role of the mentor will only be used in the context of a student taking a class outside the regular school day. This does not apply for students enrolled in an Edgenuity online course during the regular day, as they are assigned a teacher.

**Pupil Accounting**
Depending on the circumstances of the student enrollment situation, an Edgenuity online course may be taken within the current structure of the school day, or at times outside of the regular school schedule. If a school wishes to claim the student as a full time equivalent pupil for purposes of receiving state school aid, then the student must be enrolled in at least 4 regular courses by, and in attendance on, the appropriate count day (October or February) or during the 10- to 30-day period of class time designated for the course on the student’s class schedule.

**Title VI/Title IX**
In compliance with Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age of Discrimination Act of 1975, and the Americans with Disabilities Act of 1990, it is the policy of the Walled Lake Consolidated School District that no person shall, on the basis of race, color, religion, national origin or ancestry, sex, age, disability, height, weight, political belief, military service, or marital status, be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment. For information, contact Ms. Margaret Hazlett, District Compliance Officer, Educational Services Center, 850 Ladd Road, Bldg. D, Walled Lake, MI 48390 (248-956-2022).

**ADA Compliance**
Qualified students with disabilities needing appropriate adjustments should contact the counselor before enrolling in one of these expanded educational opportunities to ensure needs are met in a timely manner.

**Tuition**
To receive district-funding support for online, Edgenuity, or dual enrollment courses, classes must be taken during the regular academic school year. If a student wishes to take a course during the summer or after school, the Walled Lake Consolidated Schools may require the student to pay the full cost of tuition or other expenses which may include tuition, mandatory course or material fees, and registration fees.
Alternative High School Programs

These special programs require a meeting with a school counselor for enrollment/registration. Collaboration between parents, counselors, and students will ensure that these options are the best program to support students in completing their secondary education.

Oakland Opportunities Academy (OOA)

OOA is an alternative high school program available to 11th and 12th grade students, which provides an opportunity for high school students to obtain a high school diploma by taking classes in the late afternoon and evening. OOA provides students a structured learning environment in which they receive instruction, on-line and through teachers and tutors, in the areas of English, Math, Science and Social Studies. In addition, students participate in a career preparation program in one of the following areas:

- Biotechnology & Environmental Science (Natural Resources and Animal & Plant Systems)
- Culinary Arts & Hospitality (Food & Beverage Preparation and Travel & Tourism)
- Transportation Technology (Automotive Technology and Auto Collision Repair & Refinishing)

This program is offered at the Oakland Technical Center Southwest Campus located in Wixom. Transportation, to and from this program, is not provided by the District.

For more information, please print their brochure from the files below or visit the OOA website: https://oakland.k12.mi.us/families-community/school-student-programs/oakland-opportunity/Pages/default.aspx.

Parents should contact their student’s school counselor and set up an appointment to discuss OOA.
Oakland Accelerated College Experience (Oakland ACE) – An Early College Program

What is an Early College Program?
Programs like Oakland ACE allow selected students to extend high school by one year in order to earn both their high school diploma and up to 62 college credits at no cost to the student.

Who is Eligible for the Oakland ACE Program?
Oakland ACE is designed for students who will be the first from their family to earn a college degree, and students who need extra support to get to college. Students served by the program have had academic success in high school, but may not have the financial resources to attend college. For eligibility, applicants must:

• Be a student in grade 10, to complete the Oakland ACE program in grades 11-13.
• Have a high school GPA of 2.3 or higher.
• Qualify for the Free and Reduced Lunch program, or be a first-generation college student (parents without a 4-year degree).
• Be on track to complete all high school graduation requirements.
• Earn qualifying scores on the COMPASS English test administered during the application process.
• Be enrolled in a participating school district.

How can someone be in High School and College at the Same Time?
In 11th grade, students take a 50% schedule at their home high school, and 50% at Oakland Community College. In 12th grade, they take just two classes at their high school, and an increased load at OCC. Then in their last year, grade 13, students take a full schedule of college classes.

Is it Free?
Yes. There is no cost to families for tuition, fees, textbooks, or required materials for approved courses. Transportation to and from OCC classes is the responsibility of the student and his or her family.

What supports are available to students?
Students will have a network of support through their high schools, OCC, and program staff. In addition to the teachers, counselors and administrators at school, they will be able to take advantage of the services provided by OCC, such as counseling and free tutoring. Oakland ACE staff will have weekly contact with all students in a mandatory on-campus seminar.

How Do I Apply?
Students apply during their 10th grade year. Applications (Part 1) are due in February, and are available to be downloaded from the Oakland ACE website: https://oakland.k12.mi.us/families-community/school-student-programs/accelerated/Pages/default.aspx
Completed applications are submitted through high school counselors.
# Graduation Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Number of Credits Required</th>
<th>Explanation of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
<td>Students are required to select core English courses in 9th, 10th, 11th and 12th grade.</td>
</tr>
</tbody>
</table>
| Social Studies           | 3.0                        | .5 credit of Civics / .5 credit of Economics  
1.0 credit of American History and Geography  
1.0 credit of World History and Geography |
| Math                     | 4.0                        | 1.0 credit of Algebra  
1.0 credit of Geometry  
1.0 credit of Algebra 2  
1.0 additional math credit taken in the final year |
| Science                  | 3.0                        | 1.0 credit of Biology  
1.0 credit of Chemistry or Physics or Anatomy and Physiology  
1.0 credit of an additional science |
| Physical Education       | 0.5                        | .5 credit of Intro to Sport and Fitness                                                  |
| Health                   | 0.5                        | .5 credit of Teen Health (can be completed in 8th grade)                                 |
| Required Elective        | 1.0                        | Students must earn 1 credit from the following areas: Fine Arts, Performing Arts, Vocational Education (also known as Career Technology Education). |
| World Language           | 2.0                        | 2.0 credits in grades 9-12. (Level 1 successfully taken in 8th grade may fulfill first year’s credit). An equivalent two-year experience in grades 9-12 may be accepted upon successful testing out – See your High School Counselor to discuss this option. |
| Total Required Credits   | 18.0                       | Reflects the Michigan Merit Curriculum                                                   |
| Electives                | 4.0                        | Can be taken in any department                                                          |
| Junior Year State Testing| Required                   | All students graduating from the Walled Lake Consolidated School District must take the Junior Year State Testing unless waived by the building principal. |
| Online Learning Experience| Required                   | All students will complete the equivalent of a 1.0 on-line credit course or comparable on-line experience through the district curriculum. |
| Total Credits For Graduation | 22.0                   | Minimum credits required for graduation.                                                |
Responsibilities for Program Selection

**Student & Parent**
It is the responsibility of the student and parent, with the guidance and advice of the school faculty and counselors, to review and determine the future plans and aspirations of the student. Once his/her program is designed, it is the responsibility of the student to carry it through to completion. Upon consultation with his/her teachers and counselor, the student and his/her parents may request to change this program as achievement of goals indicates it to be necessary. Since staffing, class size, etc., are determined through pre-enrollment, it may not be possible to honor requests for a change of program. Students in high school are not guaranteed the same teacher each semester.

**Teacher**
It is the responsibility of the teacher, whose experience with the student enables him/her to identify the student’s abilities and achievements, to work with the student, the counselor, and the parents. The teacher’s recommendations, based on classroom experience, will further help the student to make his/her program realistic and workable.

**Counselor**
It is the responsibility of the counselor to help the student plan a program which satisfies the graduation requirements of the school and to recommend that the major emphasis on the student’s program is one which reflects the student’s future plans, interests, and aptitudes. Finally, it is the responsibility of the counselor to review with each student the progress he/she is making toward his/her educational and vocational goals. Necessary changes in this program are made through student, parent, and teacher contacts.

**Administrator**
An administrator determines final placement in cases of disagreement.
Freshman Checklist

● Complete an interest survey through Career Cruising.

● Explore the various career pathways and design your high school Educational Development Plan (EDP) using Career Cruising.

● Participate in career exploration activities. Discuss possible careers with school personnel, parents, friends, relatives, and local employers.

● Make sure you are enrolled in required and elective courses that are challenging and prepare you for meeting future plans.

● Seek tutoring or extra assistance for difficult subjects.

● Review your grades on Skyward daily.

● Take the PSAT 9 (preliminary SAT) as additional practice.

● Strengthen your study habits.

● Participate in extracurricular activities (school and non-school sponsored). Consider volunteer work that provides opportunities for you to experience different careers.

● You will begin developing your high school transcript. Your transcript is an official record of the classes that you enroll in, the grades that you receive and your grade point average. Colleges and Universities will be interested in your grade point average.

● Begin exploring post-secondary education and college majors.

● Attend a local college fair.

● Consider volunteer work that provides opportunities for you to experience different careers.

● Demonstrate/practice positive attendance. Come to school every day!

● Consider attending summer school for remediation/enrichment.

● Update EDP often. www.careercruising.com

** A portfolio is your personal organization of letters, awards, and impressive work
Sophomore Checklist

● Keep your grades up so you can have the highest GPA possible. Ask for help when you need it.

● Work towards leadership positions in the activities you like best.

● Become involved in community service and/or other volunteer activities. Investigate summer training programs or volunteer activities. This will help you become a well-rounded individual.

● Take the PSAT 10 (preliminary SAT) as additional practice.

● You will explore career and post-secondary education using Career Cruising.

● Select challenging courses that will prepare you for future career options. Explore elective and enrichment classes pertaining to your career interests as well.

● Review your grades on Skyward daily.

● Continue to think about post-secondary education and training opportunities (community college, university, military, technical, on-the-job) needed for your career of interest.

● Explore colleges of interest by on-site visits, reading individual college catalogs, visiting college websites over the internet and attend a college fair. Continue to research college majors.

● Demonstrate/practice positive attendance. Attend school every day!

● Investigate and become involved in summer training programs or volunteer activities.

● Consider attending summer school for remediation/enrichment.

● Update your EDP often. www.careercruising.com
Junior Checklist

- Make an appointment with your counselor to discuss your career goals, review your EDP and course selections.
- Review your transcript, credits needed for graduation and GPA. Monitor your grades carefully by checking Skyward daily. Continue to strengthen your study habits and organize your time wisely.
- Continue to improve your performance in the classroom. Ask for help when needed.
- Continue taking the most challenging classes you can handle. Take Advanced Placement and/or International Baccalaureate Courses that provide experience with college level coursework in high school. You can even earn college credit based on your AP and/or Exam scores.
- Explore career awareness opportunities. Update your student profile of your EDP.
- Meet with representatives visiting our school from colleges, military and technical training institutes. Also plan campus visits.
- Attend a local College Night fair.
- Continue exploring and analyzing your interests and abilities as they relate to possible careers.
- Take the PSAT/NMSQT. This test is the qualifying exam for the National Merit Scholarship.
- Stay involved in extra-curricular activities. These experiences are viewed favorably by employers and colleges.
- Start a file or folder - save EVERYTHING pertaining to post-secondary options. Make a list of post-secondary options you would like to explore.
- You will be taking the ACT/SAT during the 2nd semester of your junior year. A college admissions test is required by nearly all Michigan colleges and universities for admission.
- Begin exploring financial aid and scholarship opportunities via Financial Aid Night which will be held in the Spring. Do internet searches and check the Counseling Website often.
- Update your EDP / portfolio often to use for presentations to potential employers, college admissions and scholarship opportunities.
- Search for job shadowing or internship programs that place you in actual work settings that provide hands-on experience in careers of interest.
- Demonstrate/practice positive attendance. Attend school every day!
- Finalize your senior year course selections. It’s important to continue on a challenging path.
- Consider attending summer school for remediation/enrichment.
Senior Checklist

● Check to make sure you have all the credits necessary for graduation and you are enrolled in the correct courses for graduation.

● Maintain and improve academic grades. Colleges look unfavorably on failing grades, especially during the senior year. Check your grades in Skyward daily.

● Enroll in classes that are academically challenging and will prepare you for your career path.

● Continue your involvement in extracurricular and community activities.

● Finalize your college choices with your parents and your counselor. Complete your applications early in the fall. Begin obtaining and filling out applications for two year schools, four year schools and technical institutes.

● Take or retake the ACT/SAT if necessary (www.actstudent.org or www.collegeboard.org). Make sure the results are sent directly to colleges you are considering.

● Check all available sources for scholarships. These would include website searches through Career Cruising, the Counseling website, and individual college websites.

● Complete and submit financial aid forms. Attend Financial Aid Night in the Spring.

● File the Free Application for Federal Student Aid (FAFSA) online beginning October 1 www.fafsa.ed.gov

● Final portfolio review. Update your portfolio for presentations to potential employers, college admissions, and scholarship committees.

● Explore placement opportunities through co-op, apprenticeship, and internship experiences.

● Complete applications, if interested, for Legacy Scholarships.

● Meet all necessary deadlines for graduation. Order announcements, cap and gown, etc... on time.

● Update your EDP often. www.careercruising.com
Recommended College Preparatory Curriculum

These recommendations are designed to assist high school students in selecting courses of study during grades 9-12 which will prepare them for academic success at a college or university. High school students who satisfactorily complete the course program outlined below and acquire the requisite skills will greatly increase their chances for success at a university or college.

**English** (Four years recommended) *
Students entering a college or university should be able to: 1) comprehend the main and subordinate ideas in written works, lectures, and discussions; and 2) conceive ideas about a topic and organize them for presentation in both verbal and written forms using standard English sentences. Effective use of the English language is central to one's ability to succeed at the university and in the professions and occupations for which students are preparing.

**Mathematics** (Four years recommended) *
College preparatory students should successfully complete four years of study in the college preparatory and/or the accelerated mathematics sequence. This should include two full years of algebra and one full year of geometry. While most careers for which university students are preparing require mathematical competency, an increasing number of careers in the science and technical curricula require advanced preparation in mathematics.

**Biological and Physical Sciences** (Three years recommended) *
Students should be acquainted with: 1) concepts of matter, energy, motion and force, and the natural laws and processes of the physical sciences in general; 2) the science of life and living matter with special reference to growth, reproduction and structure; and 3) laboratory methods. A basic understanding of the physical and biological sciences is essential for many fields of university study, and is necessary if one is to comprehend our world and the impact of science and technology on it. These concepts are in the combination of Biology with Chemistry and Physics.

**Social Sciences/History** (Three years recommended) *
Students should study different cultures and societies; their social systems, customs, communities, values, economics, governments, and politics. Knowledge of the main events and ideas, inquiry, public discourse, and citizen involvement that have shaped our nation and its place in the world should also be possessed by students. They should understand how the past bears upon the present condition, and future courses of mankind. As the social sciences improve one's appreciation of the scientific method and other approaches to critical analysis, an understanding of history is requisite to the informed exercise of citizenship in a free society.
**World Languages** (At least three years recommended)*
The study of French, German, or Spanish, expands the student’s view of world cultures, develops practical communication skills, and heightens awareness and understanding of the English language. As part of a nationwide trend, increasing numbers of colleges and universities require world language study for various majors, degrees, and entrance and/or exit requirements. Michigan State University, for example, requires two or more years of high school world language study or college equivalent as an exit requirement. The Walled Lake Consolidated Schools graduation requirement policy strongly recommends three or more years of study in one world language for college bound students and others interested in increasing their knowledge and understanding of world languages. In addition, expanding world markets favor multilingual personnel. World language competency opens up career opportunities denied to those without it.

**Fine Arts** (Two years recommended) *
Students entering a university should be acquainted with the visual and performing arts through study and/or participation. Several academic disciplines at a university require high levels of skill in the arts. Study in this area enriches life and heightens one’s sense of beauty and aesthetic perception.

**Computer Literacy** *
Some formal instruction in the logic and use of computers in problem solving and data retrieval is increasingly important in all fields of study. The universities recognize that, for a variety of reasons, some students may not be able to complete all of the requirements. In such circumstances, students may still be considered for admission, and therefore are encouraged to apply to the university of their choice. In all instances, each university has final authority for admissions decisions, based on the level of achievement and other indicators of potential for academic success.

*The Michigan University President’s Council  [www.masu.org/](http://www.masu.org/)
# Sample College Prep Four-Year Plan

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English 9 or Honors English 9</strong></td>
<td><strong>English 10 or Honors English 10</strong></td>
<td><strong>11th Grade English or Honors English or AP Eng. Lang/Comp or IB English HL 1</strong></td>
<td><strong>12th Grade English or AP English Lit/Comp or IB English HL 2</strong></td>
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<tr>
<td><strong>Civics/Economics</strong></td>
<td><strong>US History-20th or AP US History</strong></td>
<td><strong>World History or AP World History or IB Global Politics</strong></td>
<td><strong>Social Studies Elective or IB/AP Social Studies Elective</strong></td>
</tr>
<tr>
<td><strong>Biology or Honors Biology</strong></td>
<td><strong>Chemistry or Honors Chemistry or Physics or Honors or AP Physics</strong></td>
<td><strong>Science Elective or IB/AP Science Elective</strong></td>
<td><strong>Science Elective or IB/AP Science Elective</strong></td>
</tr>
<tr>
<td><strong>Math</strong></td>
<td><strong>Math</strong></td>
<td><strong>Math</strong></td>
<td><strong>4th Year Math or Math Related Course</strong></td>
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<tr>
<td><strong>Elective</strong></td>
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<td><strong>Elective</strong></td>
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</tbody>
</table>

2.0 World Language (Class of 2016 and Beyond), Teen Health, Intro to Sport and Fitness and 1.0 Fine Arts, Performing Arts or Vocational Education (Career Tech Education) can be taken any time during the four years of High School in the Elective Category

* Algebra 1, Geometry and Algebra 2 must be completed
Choose Your Career Pathway

*Educational Planning for Life*

Arts & Communication

Business, Management, Marketing, & Technology

Engineering/Manufacturing & Industrial Technology

Health Sciences

Human Services

Natural Resources & Agriscience
Career Pathways

A World of Opportunities

Importance of Career Planning
The four years of high school from the ninth grade through twelfth grade can be an exciting and rewarding time for students. A very important component in preparing for the future involves career planning. Preparing for future educational and career opportunities involves much thought and preparation, and students who are prepared to make these decisions are often times more successful than those students who lack a sense of direction.

There are many factors that determine success in high school. It is important for students to have a focus so they can make the most of the opportunities that lie before them. Parents, counselors, and teachers play key roles in guiding students through the many challenges that they encounter. It is important to plan early, often, and establish goals.

Career Pathways, like Education Development Plans (EDP), are key components of the larger, Career Preparation System. Use of the Career Pathways allows the learner to map out the relationships between course offerings, in-school activities, out-of-school experiences and additional training following high school graduation. By identifying and aligning these components, the learner can see the interrelationships of all experiences, both in and out of school. Career Pathways allow students to project the necessary training for different clusters of jobs and projected income. Career Pathways are not to be viewed as tracts or trenches, but as a means of exploration and experiences that are more appropriate in developing the learner’s education and employment plan.

The State of Michigan has adopted the concept of six different Career Pathways. Within these pathways, all career opportunities can be identified and placed. Career Pathways are clusters of related occupations that require different levels of education and training. People working in a career path share similar interests, abilities, and talents. Career paths help students identify a career focus without being locked into a specific occupation. By exploring career paths, students expand future choices and develop an understanding that all paths are important and necessary to keep a community going.

The State of Michigan Six Career Pathways

- Arts & Communication
- Business, Management, Marketing, & Technology
- Engineering/Manufacturing & Industrial Technology
- Health Sciences
- Human Services
- Natural Resources & Agriscience

Participation in a well-organized, well-planned career development component, which includes the concepts of Career Pathways, directly affects both readiness for employment and actual employability success: student performance in school improves, involvement in school and community activities expands, decision-making skills strengthen, career preparation advances, and flexibility for meeting change increases. In addition, students who continue formal education beyond high school have a clear direction and a better understanding as to why they are pursuing post-secondary education and training options. There is an understanding that learning is life-long. Walled Lake Consolidated Schools adheres to the State of Michigan Six Career Pathways as part of our comprehensive Career Development Program. Every occupation within the world of work would fall in one of the six pathways identified.
Career Cruising and the Personalized Education Development Plan (EDP)

An EDP is a state-mandated career plan. Your student will continue to work on his/her EDP throughout high school, updating and adding new information every year. Every high school student MUST complete his or her EDP as part of his or her graduation requirements. Career Cruising (www.careercruising.com) is the valuable resource used to put career exploration at the fingertips of students and is available for parents to join them in looking into options for their future. Career Cruising is a web-based resource, which houses student Educational Development Plans (EDPs) and to which students and parents have direct access.

In addition to these features, students can explore hundreds of careers using a variety of methods. They will then have access to detailed multi-media career profiles from the world of work, including videos of individuals within those careers describing their experiences.

College planning is an important feature of Career Cruising and offers students access to information about post-secondary institutions across the country and information about where to find financial aid to pay for their education. In addition, students also have access to resources to help them prepare for the world of work, including an integrated job search and resume builder.

Consider the following skills and competencies needed in the high-performance workplace:

**Basic Skills:** Reading, writing, mathematics, speaking, and listening

**Thinking Skills:** The ability to learn, reason, think creatively, make decisions, and solve problems

**Personal Qualities:** Individual responsibility, self-esteem and self-management, sociability, and integrity

**Management Skills:** The ability to allocate time, money, materials, space and staff

**Interpersonal Skills:** Effectively work on teams, teach others, serve customers, lead, and work well with people from culturally diverse backgrounds

**Information:** Demonstrate ability to acquire, interpret and evaluate data, and use computers to process information

**Systems:** Knowledge of social, organizational, and technological systems, ability to monitor and correct performance, and design or improve systems

**Technology:** Ability to select equipment and tools, apply technology to specific tasks, maintain, and troubleshoot equipment
The Six Career Paths

To assist students in planning wisely, the district uses the Career Pathways, embedded within the Career Cruising program [www.careercruising.com](http://www.careercruising.com). Using students’ interests and aptitudes identified by various assessments, parents, counselors, teachers, or other career professionals can help them to develop a curriculum most suitable to their chosen pathway. With careful consideration and discussion, each student can identify a specific and individualized “path”. When one or more pathways appears interesting, students should look carefully at the possible degrees and the jobs or careers associated with the area(s), and related high school elective courses that would help them prepare for each pathway.

All of the identified pathways include challenging, relevant courses that provide road maps to future career goals. Additionally, because all students take a “core foundation” of academic courses, career paths overlap enough to allow the flexibility to change “paths” if interests change or new knowledge and skills are acquired. In every pathway, students will continue to take the core curriculum courses that provide all students with the courses necessary to enter most Michigan post-secondary institutions.

**Arts & Communication**
- Careers in this path are related to humanities and performing, visual, literacy, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.
- Are you a creative thinker?
- Are you imaginative, innovative and original?
- Do you like to communicate ideas?
- Do you like making crafts, drawing, playing a musical instrument, taking photos or writing stories?

<table>
<thead>
<tr>
<th>Arts &amp; Communication CAREER CATEGORIES</th>
<th>Arts &amp; Communication SAMPLE CAREERS</th>
<th>Arts &amp; Communication COURSES IN SCHOOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising &amp; Public Relations</td>
<td>Public Relations Executive</td>
<td>Language Arts (Journalism)</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>Dancer</td>
<td>Graphic Art</td>
</tr>
<tr>
<td>Film Production</td>
<td>Film Producer</td>
<td>Sculpture</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>Fashion Designer</td>
<td>Photography</td>
</tr>
<tr>
<td>Radio &amp; TV Broadcasting</td>
<td>Journalist</td>
<td>Fine Arts (Drama, Music)</td>
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<tr>
<td></td>
<td>Radio &amp; TV Broadcaster</td>
<td>Drafting (Technical, Architectural &amp; Engineering)</td>
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<td>Television Production</td>
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</tbody>
</table>
Business, Management, Marketing & Technology

- Careers in this path are related to the business environment. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.
- Do you enjoy being a leader, organizing people, planning activities and talking?
- Do you like to work with numbers or ideas?
- Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, surfing the Internet?

<table>
<thead>
<tr>
<th>Business, Management, Marketing &amp; Technology</th>
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</thead>
<tbody>
<tr>
<td>CAREER CATEGORIES</td>
</tr>
<tr>
<td>Accounting</td>
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<tr>
<td>Office Administration</td>
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<tr>
<td>Entrepreneurship</td>
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<tr>
<td>Hospitality/Tourism</td>
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<tr>
<td>Management</td>
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<tr>
<td>Marketing</td>
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<tr>
<td>Sales</td>
</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
<td>Personnel</td>
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<tr>
<td>Economic</td>
</tr>
<tr>
<td>SAMPLE CAREERS</td>
</tr>
<tr>
<td>Loan Officer</td>
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<tr>
<td>Economist</td>
</tr>
<tr>
<td>Legal Secretary</td>
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<tr>
<td>Hotel Management</td>
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<tr>
<td>Office Manager</td>
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<tr>
<td>Computer Programmer</td>
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<tr>
<td>Salesperson</td>
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<tr>
<td>Travel Agency</td>
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<tr>
<td>COURSES IN SCHOOL</td>
</tr>
<tr>
<td>Math</td>
</tr>
<tr>
<td>Language Arts</td>
</tr>
<tr>
<td>Computer Science</td>
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<tr>
<td>Business Management</td>
</tr>
<tr>
<td>Entrepreneurship</td>
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<tr>
<td>Computer Support</td>
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<tr>
<td>Accounting</td>
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<tr>
<td>Marketing</td>
</tr>
</tbody>
</table>

Engineering/Manufacturing & Industrial Technology

- Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service and related technologies.
- Are you mechanically inclined and practical?
- Do you like reading diagrams and blueprints, and drawing building structures?
- Are you curious about how things work?
- Would you enjoy painting a house, repairing cars, wiring electrical circuits or woodworking?

<table>
<thead>
<tr>
<th>Engineering/Manufacturing &amp; Industrial Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAREER CATEGORIES</td>
</tr>
<tr>
<td>Architecture</td>
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<tr>
<td>Precision Production</td>
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<tr>
<td>Manufacturing Technology</td>
</tr>
<tr>
<td>Mechanics &amp; Repair</td>
</tr>
<tr>
<td>Engineering &amp; Related Technologies</td>
</tr>
<tr>
<td>Drafting</td>
</tr>
<tr>
<td>Construction</td>
</tr>
<tr>
<td>SAMPLE CAREERS</td>
</tr>
<tr>
<td>Architect</td>
</tr>
<tr>
<td>Plumber</td>
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<tr>
<td>Electrician</td>
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<tr>
<td>Air Traffic Controller</td>
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<td>Auto Mechanic</td>
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<tr>
<td>Chemical Engineer</td>
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<td>Draftsman</td>
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<tr>
<td>Geographer</td>
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<tr>
<td>Surveyor</td>
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<tr>
<td>COURSES IN SCHOOL</td>
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<tr>
<td>Drafting</td>
</tr>
<tr>
<td>Science</td>
</tr>
<tr>
<td>Robotics</td>
</tr>
<tr>
<td>Physical Sciences/Physics</td>
</tr>
<tr>
<td>Industrial/Mechanical Drafting</td>
</tr>
<tr>
<td>Math</td>
</tr>
<tr>
<td>Electronics</td>
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<tr>
<td>Machine Tools</td>
</tr>
</tbody>
</table>
Health Sciences

- Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment and related health technologies.
- Do you like to care for people or animals that are sick or help them stay well?
- Are you interested in diseases and in how the body works?
- Do you enjoy reading about science and medicine?
- Would it be fun to learn first aid, volunteer at a hospital or veterinary clinic?

<table>
<thead>
<tr>
<th>Health Sciences CAREER CATEGORIES</th>
<th>Health Sciences SAMPLE CAREERS</th>
<th>Health Sciences COURSES IN SCHOOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentistry</td>
<td>Dentist</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Hygiene</td>
<td>Dental Hygienist</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Medicine</td>
<td>Doctor</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Nursing</td>
<td>Veterinary Technician</td>
<td>Health Education</td>
</tr>
<tr>
<td>Nutrition and Fitness</td>
<td>Respiratory Therapist</td>
<td>Animal Care</td>
</tr>
<tr>
<td>Therapy and Rehabilitation</td>
<td>Physical Therapist</td>
<td>Nutrition</td>
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<td>Physics</td>
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<td></td>
<td>Math</td>
</tr>
</tbody>
</table>

Human Services

- Careers in this path are related to economic, political and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services and personal services.
- Are you friendly, open, understanding and cooperative?
- Do you like to work with people to solve problems?
- Is it important to you to do something that makes things better for other people?
- Do you like to help friends with family problems?
- Do you like reading, storytelling, traveling or tutoring young children?

<table>
<thead>
<tr>
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<th>Human Services COURSES IN SCHOOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>Anthropologist</td>
<td>History</td>
</tr>
<tr>
<td>Law and Legal Studies</td>
<td>Counselor</td>
<td>Political Science</td>
</tr>
<tr>
<td>Law Enforcement</td>
<td>Lawyer</td>
<td>Psychology</td>
</tr>
<tr>
<td>Child/Family Services</td>
<td>Psychologist</td>
<td>Social Studies</td>
</tr>
<tr>
<td>Mental Health</td>
<td>Legal Assistant</td>
<td>Culinary Arts</td>
</tr>
<tr>
<td>Religion</td>
<td>Culinary Chef</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Culinary Arts/Hospitality</td>
<td>Security Administrator</td>
<td>Cosmetology</td>
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<td></td>
<td>Building Manager</td>
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<tr>
<td></td>
<td>Child Care Worker</td>
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<tr>
<td></td>
<td>Mental Health Aide</td>
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</tr>
</tbody>
</table>
Natural Resources and Agriscience

- Careers in this path are related to agriculture, the environment and natural resources. These include agricultural sciences, earth science, environmental sciences, fisheries, forestry, horticulture and wildlife.
- Are you a nature lover?
- Are you practical, curious about the physical world, and interested in plants and animals?
- Do you enjoy hunting or fishing?
- Do you like to garden or mow the lawn?
- Are you interested in protecting the environment?

<table>
<thead>
<tr>
<th>Natural Resources and Agriscience CAREER CATEGORIES</th>
<th>Natural Resources and Agriscience SAMPLE CAREERS</th>
<th>Natural Resources and Agriscience COURSES IN SCHOOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>Farmer</td>
<td>Agriculture</td>
</tr>
<tr>
<td>Animal Health Care</td>
<td>Oceanographer</td>
<td>Astronomy</td>
</tr>
<tr>
<td>Earth Science</td>
<td>Landscaper</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Marine Biologist</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Fisheries Management</td>
<td>Conversation Agent</td>
<td>Animal Science</td>
</tr>
<tr>
<td>Wildlife Management</td>
<td>Chemist</td>
<td>Math</td>
</tr>
<tr>
<td>Horticulture</td>
<td>Physicist</td>
<td>Botany</td>
</tr>
<tr>
<td>Forestry</td>
<td>Forester</td>
<td></td>
</tr>
</tbody>
</table>
Website Resources

For General College Information
www.collegeboard.org
This is the home page of the College Board and contains a wealth of information for students, parents, counselors, teachers, admission staff, financial aid officers, etc. Links are available to the various programs the College Board offers, including a college search engine, PSAT, SAT I & II, Advanced Placement testing, financial aid information, SAT prep., and much more. There is an “SAT Question of the Day” to help prepare daily for SAT tests.

www.colleresults.org
This interactive web tool, created by The Education Trust, allows you to learn more about student graduation rates at 4 year colleges and universities.

www.macrao.org
A centralized web-based system that allows students who have completed a course at a Michigan College or University to find the equivalency for that course at other Michigan Colleges or Universities.

www.collegeview.com
A good sample of multimedia college tours, a searchable database, and financial aid help.

www.mycollegeguide.org
College Guide with electronic links to colleges and admissions advice for students.

www.collegeexpress.com
Admissions advice, search engine, financial aid advice, etc.

www.campustours.com
Hundreds of schools’ interactive virtual tours.

www.review.com
The Princeton Review, including an interactive counselor, ratings, etc.

www.parchment.com
Students, schools, colleges, state agencies: they all rely on Parchment’s trackable, privacy-protected, dependable delivery of student records and transcripts. Students in Walled Lake use Parchment to request transcripts be sent to colleges and other educational agencies.

www.petersons.com
College search, admissions information, test prep, and more.

www.usnews.com
The famous list of ratings! Some critics do not agree with the criteria used, but this list makes big news every year. Pick a college and you can compare up to three others side by side to see the differences.

www.nacacnet.org
National Association for College Admission Counseling – student and parent information page, and a good place to find listings of national college fairs.

www.ed.gov
U.S. Department of Education site. “Easy Access for Students and Institutions.” Collection of links that range from pre-college planning to repayment of loans.
www.embark.com
Another college search engine that surveys what you are looking for and generates a list of schools that meet your criteria.

www.collegeconfidential.com
Extensive college-related articles, book reviews, recommendations, and forums.

Financial Aid, Scholarships, & Student Loans
The Financial Aid office of each of the colleges or universities you are interested in can help you get specific information.

Parents
www.familyeducation.com/home
Family education network, with a section on high school and beyond.

www.collegeparents.org
National membership association to help parents prepare and put students through college.

www.fafsa.ed.gov
Interactive web version of the most important form needed to apply for financial aid: The Free Application for Federal Student Aid.

www.fastweb.com
A free scholarship search database.

www.finaid.org
Extremely helpful site with links to many financial aid pages.

www.teri.org
Organization to help middle income families afford a college education. Also has a database of 150 colleges describing programs for underrepresented populations, including students from low-income families or first generation college students.

www.salliemae.com
Another lender and source of student loans. Free access to CASHE (College Aid Sources for Higher Education) database.

www.collegeview.com
Link to the scholarship database section.

www.hacu.net
Scholarships and fellowships - this is the Hispanic Association of Colleges and Universities site.

www.scholarships.com
Free search for scholarships and financial aid.

http://www.advocacy-net.com/schoarmks.htm
Links to 1500 scholarships on one page.

Standardized Tests, Test Prep, & Course Help
https://www.khanacademy.org/
Free, personalized SAT test prep.

www.powerprep.com
Strategies for college testing; FAQ about testing.
www.collegeboard.org
As stated above, this has links to SAT I & II, PSAT, AP test information, dates, online registration, deadlines, etc.

www.act.org
Information, test dates, online registration, ACT test prep., etc.

www.testprep.com
SAT test prep site.

www.4tests.com
Free online practice tests for the SAT and ACT.

www.number2.com
Free SAT, ACT, GRE test preparation and vocabulary builder.

www.turnitin.com/login_page.asp
Turn It In.com to verify original work.

**Careers**

www.careers.com
Starting point for links to other career reference sites, organized by clusters, regions, alphabetically, etc.

www.careercruising.com
Career Cruising website to update your EDP, search for college, career inventories, etc.

www.petersons.com
Go to their career channel to take a variety of career assessments.

www.careerbuilder.com
Go to the site’s college connection and browse some of the college career centers that are in hypertext.

www.collegeboard.com/csearch/majors_careers/profiles/
A database from the College Board containing college majors and career profiles.

www.bls.gov/OCO
The Bureau of Labor Statistics, part of U.S. Department of Labor, gives you all kinds of information on many careers, and writing resume and interviewing assistance.

www.monster.com
Information about thousands of jobs.
Nondiscrimination Policy & Complaint Procedure

In compliance with Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age of Discrimination Act of 1975, and the Americans with Disabilities Act of 1990, it is the policy of the Walled Lake Consolidated School District that no person shall, on the basis of race, color, religion, national origin or ancestry, sex, age, disability, height, weight, political belief, military service, or marital status, be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment. For information, contact Ms. Margaret Hazlett, District Compliance Officer, Educational Services Center, 850 Ladd Road, Bldg. D, Walled Lake, MI 48390 (248-956-2022).

In the event any student, parent, employee or applicant for employment believes that he/she has been discriminated against because of handicap or in the event he/she believes that discrimination against a handicapped person(s) exists in the administrative policy and/or practice of an educational program, activity or employment relationship supervised or operated by the school district, he/she shall immediately notify in writing to Ms. Margaret Hazlett, Section 504 Compliance Officer, Educational Services Center, 850 Ladd Road, Bldg. D, Walled Lake, MI 48390 (248-956-2022), for the purpose of scheduling a meeting to discuss the complaint. Inquiries concerning equal opportunity on the basis of race, color, religion, national origin or ancestry, sex, age, disability, height, weight, political belief, military service, or marital status should be directed, in writing, to Ms. Margaret Hazlett, Titles VII and IX Compliance Officer, Educational Services Center, 850 Ladd Road, Bldg. D, Walled Lake, MI 48390 (248-956-2022), for the purpose of scheduling a meeting to discuss the complaint. The meeting shall be held within five (5) working days, unless a later date is mutually agreed upon or good cause requires a later date.

The complainant shall set forth, in writing, the necessary information (including names, dated subject matter) in order to investigate and process the complaint. Necessary persons or witnesses may also be included at the meeting. The purpose of the meeting is to initiate the fact-finding investigation, which shall include the opportunity to interview all necessary persons or witnesses and review all necessary papers and documentation. Within one (1) month from the date of the initial meeting, unless extended by mutual agreement or good cause, the Compliance Officer shall provide a written answer to the complainant.

The written answer shall set forth a summary of the complaint, his/her findings, conclusions and recommendations. Either the Compliance Officer or the complainant may bring the complaint/written answer to the Board of Education at its next regular meeting. The Board of Education shall review the complaint and the written answer and issue its determination.

If the complainant believes that he/she still has a complaint or that the complaint has not been adjusted properly, the complainant has the right to file his/her written complaint (with all written answers and determinations) to the Office of Civil Rights, Department of Health, Education and Welfare, Washington, D.C. 20201.
Department & Individual Course Descriptions

Walled Lake Consolidated Schools
2017-2018
International Baccalaureate Diploma Programme

(Please refer to Individual Departments for course numbers)

The IB Diploma is an internationally recognized and rigorous college preparatory programme available to any high school student in the Walled Lake Consolidated School District. Students opting for this distinguished endorsement will attend Western High School for grades 11 and 12. **Students outside the Western attendance area must have personal transportation.**

**IB English HL**

**Prerequisite:** English 10  *(Honors English 10 recommended)*

This two-year exploration of literature encourages students to see literary works as products of human creativity and ingenuity. Students will read and thoughtfully analyze literature from different cultures and time periods. Students will also explore the role of language in mass media. These explorations will provide students with an understanding that even through this diversity, we recognize the universal nature of the human condition. This course fulfills the IB Group 1 requirement. For more information, click here.

**IB French/German/Spanish, ab initio SL**

**Prerequisite:** None

**Course Note:** Open only to IB Diploma Candidates

The language ab initio courses are two-year courses for students with little or no experience of the target language. The course is organized into three themes: individual and society, leisure and work, and urban and rural environment. Each theme comprises a list of topics that provide students with opportunities to practice and explore the language and to develop intercultural understanding. The *ab initio* language courses are only open to IB Diploma candidates and will be scheduled with French/German/Spanish 1 and 2. For more information, click here.

**IB Spanish HL/SL**

**Prerequisite:** SL: Spanish 3 *(Spanish 2 by teacher recommendation only)*

HL: Spanish 3

Throughout this two-year course, students will develop a higher degree of proficiency in listening, speaking, reading and writing the language. Teaching of an appropriate range of grammatical structures will be integrated with the study of themes and texts and acquisition of skills. The aim of the course is to prepare students to use the language appropriately in a range of situations and contexts and for a variety of purposes. The course also allows students to develop an awareness and appreciation of the culture(s) of the countries in which the target language is spoken. Students must be prepared to be taught solely in Spanish and will be expected to communicate with each other and the teacher almost exclusively in Spanish. Higher Level students will also be required to analyze a variety of literary texts over the course of two years. This course fulfills the IB Group 2 requirement. For more information, click here.

**IB German HL/SL**

**Prerequisite:** SL: German 2 *(German 3 recommended)*

HL: German 3

Throughout this two-year course, students will develop a higher degree of proficiency in listening, speaking, reading and writing the language. Teaching of an appropriate range of grammatical structures will be integrated with the study of themes and texts and acquisition of skills. The aim of the course is to prepare students to use the language appropriately in a range of situations and contexts and for a variety of purposes. The course also allows students to develop an awareness and appreciation of the culture(s) of the countries in which the target language is spoken. Students must be prepared to be taught solely in German and will be expected to communicate with each other
and the teacher almost exclusively in German. Higher Level students will also be required to analyze
a variety of literary texts over the course of two years. This course fulfills the IB Group 2
requirement. For more information, click here

**IB French HL/SL**

**Prerequisite:**

SL: French 3 *(French 2 by teacher recommendation only)*

HL: French 3

Throughout this two-year course, students will develop a higher degree of proficiency in listening,
speaking, reading and writing the language. Teaching of an appropriate range of grammatical
structures will be integrated with the study of themes and texts and acquisition of skills. The aim of
the course is to prepare students to use the language appropriately in a range of situations and
contexts and for a variety of purposes. The course also allows students to develop an awareness and
appreciation of the culture(s) of the countries in which the target language is spoken. Students must
be prepared to be taught solely in French and will be expected to communicate with each other and
the teacher almost exclusively in French. Higher Level students will also be required to analyze a
variety of literary texts over the course of two years. This course fulfills the IB Group 2 requirement.
For more information, click here

**IB Psychology SL**

**Prerequisite:** None. Open to any 11th or 12th grade student. *(Strong writing skills recommended.)*

**Course Note:** This IB course is taught in conjunction with AP Psychology. Both IB and AP
methodology will be utilized to promote a deep understanding of human behavior as well as
prepare for the AP exam. A short summer homework assignment is required.

The one-year course of study for IB Psychology SL is taught in conjunction with AP Psychology and
focuses on the systematic study of human behavior along with the mental and experiential factors
that influence behavior. The IB Psychology SL and the AP Psychology student will examine the
interaction of biological, cognitive and socio-cultural influences on human behavior over the course
of one year. Students will focus on the skills of critical thinking and the methods of investigation that
are the hallmarks of psychology. Students will also complete a simple experimental study of their
choosing. As a result of taking this course, students will gain a better understanding of themselves
and a greater appreciation of diverse human behavior by learning how psychological knowledge is
obtained, transformed and applied. This course fulfills the IB Group 3 requirement. For more
information, click here

**IB Global PoliticsSL/HL**

**Prerequisite:** US History or Instructor Approval *(AP US History recommended)*

The study of global politics enables students to critically engage with different perspectives and
approaches to world history and international politics in order to better make sense of their
changing world and roles in it as active citizens. Global politics draws on a variety of disciplines in the
social sciences (e.g., History, Political Science, Sociology, and Economics) and the humanities,
reflecting the complex nature of many contemporary political issues. SL/HL students study four core
areas: Power, Sovereignty and international relations, Human Rights, Development, and Peace and
Conflict. Additionally, HL Students study six political challenges: The Environment and Sustainability,
Poverty, Health and Disease, Culture and Identity, Migration, and International Security. Both SL and
HL students will be involved in Model United Nations as an engagement activity for their Internal
Assessment. This course fulfills the IB Group 3 Requirement as well as the World History
requirement. For more information, click here
**IB Environmental Systems and Societies SL**

**Prerequisite:** None. Open to 11th and 12th grade students. *(Strong writing skills recommended)*

This one-year trans-disciplinary course (fulfills IB Group 3 and IB Group 4 requirements) is unique in that it contains various sciences, coupled with a societal viewpoint, all intertwined to help students understand the environment and its sustainability. The purpose of this course is to expose students to the interrelationships of the environment and societies, and the nature of their interactions, so that they can make an informed personal response to a wide range of pressing global issues. The course requires field experiences which will further extend the interrelationships between the environment and societies. For more information, [click here](#).

**IB Biology SL/HL**

**Prerequisite:** Biology and Chemistry or Physics *(Honors Biology recommended for HL)*

The one-year IB Biology course explores the relationship of structure and function at all levels of complexity (from cells to organisms). Students will learn about cell theory, the chemistry of living things, plant science and genetics, among many other topics to further their understanding of and learning about biology. Students opting to investigate these topics at a deeper level should enroll in the two-year Higher Level course. Both Standard Level and Higher Level Biology students will become aware of how scientists work and communicate with each other. Further, students will enjoy multiple opportunities for scientific study and creative inquiry within a global context. The course will include many labs and activities, including an interdisciplinary Group IV Project. This course fulfills the IB Group 4 requirement. For more information, [click here](#).

**IB Chemistry SL**

**Prerequisite:** Biology and Chemistry or Physics

The one-year IB Chemistry course explores the relationship of structure and function at all levels of complexity (from atoms to compounds). Students learn the chemical principles that underpin both the physical environment and biological systems through the study of quantitative chemistry, periodicity, kinetics and other subjects. The chemistry course covers the essential principles of the subject and, through teacher-selected options, allows students to explore various chemistry aspects in greater depth. Throughout this course, students become aware of how scientists work and communicate with each other. Further, students enjoy multiple opportunities for scientific study and creative inquiry within a global context. The course will include many labs and activities, including an interdisciplinary Group IV Project. This course fulfills the IB Group 4 requirement. For more information, [click here](#).

**IB Physics SL**

**Prerequisite:** Biology and Chemistry or Physics

The one-year IB Physics course allows students to explore this most fundamental experimental science, which seeks to explain the universe itself—from the very smallest particles to the vast distances between galaxies. Students develop traditional practical skills and techniques and increase facility in the use of mathematics, the language of physics. They also develop interpersonal skills as well as information and communication technology skills, which are essential in modern scientific endeavors—and are important life-enhancing, transferable skills in their own right. Further, students will enjoy multiple opportunities for scientific study and creative inquiry within a global context. The course will include many labs and activities, including an interdisciplinary Group IV Project. This course fulfills the IB Group 4 requirement. For more information, [click here](#).
**IB Mathematical Studies SL**

**Prerequisite:** Algebra 2

IB Mathematical Studies is a college-prep course that focuses on using mathematical concepts as applied to contexts related to the real world. Topics include: numbers and algebra, sets, logic and probability, functions, geometry and trigonometry, statistics, and introductory differential calculus. Students construct and apply knowledge drawing on the content they are learning as well as content from their previous math experiences. In addition, students in IB Mathematical Studies complete a project that is an individual piece of work involving the collection of information or the generation of measurements, and the analysis and evaluation of the information or measurements. This is a rigorous course that is intended for students seeking to further explore more advanced mathematical applications for analysis. For more information, [click here](#).

**IB Math SL/HL**

**Prerequisite:**
- **SL:** Algebra 2
- **HL:** Pre-Calculus (some exceptions made for Honors Algebra 2)

IB Math is a course of study presenting a unified approach to the many areas of mathematics. This two-year course is intended for students who are looking for a strong background in math as preparation for future studies in the sciences, engineering, economics, psychology, business administration, etc. Standard Level students will investigate Pre-Calculus and Calculus. In addition to Pre-Calculus and Calculus, Higher Level students will also study either Probability and Statistics or Differential Equations more in depth. IB math emphasizes effective communication of mathematical concepts and relationships. Students will develop skills in mathematical modeling and analysis, as well as a greater understanding of the relationships between math topics. This course fulfills the IB Group 5 requirement. For more information, [click here](#).

**IB Theatre SL**

**Prerequisite:** None. Open to 11th and 12th grade students. *(Acting 1 recommended.)*

IB Theatre requires no previous experience in drama or theatre. Since this one-year course is designed to enable students to experience theatre on a personal level, achievement in this subject is reflected in how students develop, extend and refine the knowledge, skills and attitudes necessary for studying this art form. Students will use their individual ability to be creative and imaginative to learn to communicate in dramatic form. IB Theatre provides a relevant learning opportunity for a diverse range of students as it lays an appropriate foundation for further study in theatre, performing arts and other related subjects. In addition, by instilling discipline, and refining communication and group-work skills, it offers a valuable course of study for students who may wish to pursue a career or further education studies in areas unconnected to theatre. This course fulfills the IB Group 6 requirement. For more information, [click here](#).

**IB Theory of Knowledge**

**Prerequisite:**
- **TOK 1:** None. Open to any 11th or 12th grade student.
- **TOK 2:** TOK 1

The Theory of Knowledge course is central to the educational philosophy of the International Baccalaureate. It challenges students to reflect on diverse ways of knowing and areas of knowledge, and to consider the role which knowledge plays in a global society. It encourages students to become aware of themselves as thinkers, to become aware of the complexity of knowledge, and to recognize the need to act responsibly in an increasingly interconnected world. For example, having participated in the TOK course, students should be able to do such things as critically analyze knowledge claims and make effective comparisons between different approaches to knowledge issues in a variety of situations. This course is a requirement for Diploma Candidates. For more information, [click here](#).
Visual Arts

90020  **Art and Design**
Grades: 9-12  
0.5 credit

*Course Note:* Students must successfully complete this course before pursuing any advanced art course.

Have you always wanted to try an art course? No prior experience necessary. This is an introductory course for any student interested in art. In this course, students will examine the elements and principles of design through a variety of both two dimensional and three-dimensional media. This course will provide the student with a strong foundation in design and composition.

90021  **Animation A**
Grades: 9-12  
0.5 credit

This course will introduce fundamental principles of animation, character design, and storyboarding focusing on a variety of beginning animation techniques. The goal is to have students explore a variety of animation processes to then create their own short, animated films consistent with entry-level college/industry standards. This course will include a subscription to the ACME animation community. This is a community that supports learners and educators and includes focused guidance and expertise from professionals representing every aspect of the field of animation. Participation in peer review via the ACME website is expected. (Art and Design is not a prerequisite for this course.)

91018  **Animation B**
Grades: 9-12  
0.5 credit

*Prerequisite:* 90021  **Animation A**

This course continues the study of animation fundamentals, character design, and storyboarding within a range of advanced animation techniques, including 3-D computer software and other medias. Students will create their own directed short, animated films consistent with entry-level college/industry standards. This course will include a subscription to the ACME animation community. This is a community that supports learners and educators and includes focused guidance and expertise from professionals representing every aspect of the field of animation. Participation in peer review via the ACME website is expected.

90030  **Ceramics 1**
Grades: 9-12  
0.5 credit

*Prerequisite:* 90020  **Art and Design**

Do you like getting dirty and working with your hands? This course offers students an introduction to a variety of basic clay hand building techniques along with an opportunity to work on the potter’s wheel. Emphasis will be placed on good craftsmanship and application of good design as it relates to the medium of clay. Glazing, alternative finishes, and alternative firing will be explored. Students will create a variety of projects however, most will be functional objects.

90031  **Ceramics 2**
Grades: 10-12  
0.5 credit

*Prerequisite:* 90030  **Ceramics 1**

This class is an advanced level of ceramics in which emphasis will be placed on developing an individual style of expression and solving ceramic design problems while learning advanced techniques in throwing, hand blowing and glaze formulation and alternative firing processes. Students will create both functional and non-functional ceramic pieces. **THIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.**
90040/90041  Computer Graphics A/B   Grades: 9-12  0.5 credit

Prerequisite:  90020 - Art and Design

Students will become familiar with the computer as a tool to create art. Students will create a wide range of art pieces using software, digital cameras and scanners. Students will experience multiple software programs while focusing on Adobe Photoshop to learn a variety of styles and techniques to create high quality products. Students will be introduced to graphic design as a career path and be actively involved in the design from start to finish. Each student is encouraged have a flash drive to store work. CIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.

90070  Drawing 1   Grades: 9-12  0.5 credit

Prerequisite:  90020 - Art and Design

Have you always wanted to learn how to draw but you were afraid to try? This is the course for you! This course is designed for students who wish to pursue drawing on a more serious level. The study of the elements of design and principles of art will be explored through abstract and realistic subject matter. Students will concentrate on working from direct observation while using a variety of drawing materials. Emphasis is placed on composition and craftsmanship in drawing and understanding of present and past artists.

90071  Drawing 2   Grades: 10-12  0.5 credit

Prerequisite:  90070 - Drawing 1

This class is designed for students who have successfully completed Drawing 1 and wish to explore drawing in greater depth. Advanced concepts are emphasized, and value will be placed on craftsmanship, composition, creativity-aesthetic judgments and personalized methods of expression. CIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.

90100  Metal Arts 1   Grades: 9-12  0.5 credit

Prerequisite:  90020 - Art and Design

This challenging course is designed to develop a variety of skills and techniques used in metalsmithing and jewelry. This class will concentrate on the fabrication of three-dimensional forms by a variety of techniques and methods. Students will incorporate the use of elements of design and principles of art to create a personal style.

90101  Metal Arts 2   Grades: 10-12  0.5 credit

Prerequisite:  90100 - Metal Arts 1

This course will place emphasis upon designing unique jewelry forms which may incorporate stone setting, resin, wax casting and etching. Other advanced techniques may be explored. Students will need to continue to produce work with high levels of craftsmanship, creativity and will explore various artists and art periods to create a personal style. CIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.

90110  Painting 1   Grades: 9-12  0.5 credit

Prerequisite:  90020 - Art and Design

While building upon the elements of design, Painting 1 is primarily concerned with the technical processes of color theory and mixing, paint application, and composition. Emphasis is placed upon design, workmanship, experimentation, and the study of contemporary and traditional artists. It is strongly suggested that students take Drawing 1 before taking this course.
90111  Painting 2  
Grades: 10-12  
0.5 credit

Prerequisite:  90110 - Painting 1

This course builds on the skills gained in Painting 1, with emphasis on specific problem solving and developing a personal style of expression. Advanced techniques and theories will be explored. THIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.

90120  Photography 1  
Grades: 10-12  
0.5 credit

Prerequisite:  90020 - Art and Design

In this one semester course, students will develop a basic understanding of the artistic and technical aspects of photography. Students will learn to expose, develop film and learn the fundamentals of composition. They will become competent in taking, developing and printing black and white photographs. An introduction to digital photographic applications is also covered. We strongly encourage, it is not required, that each student have their own 35mm camera with a manual mode (adjustable aperture and shutter speed).

90121  Photography 2  
Grades: 10-12  
0.5 credit

Prerequisite:  90120 - Photography 1

This course is designed for those who have successfully completed Photography I. In this class, students will explore advanced techniques in black & white photography and a number of alternative photographic processes including technological advances in photography using the computer. Students will apply the basic principles of composition and elements of design as they apply to photography. Student work is expected to focus on concept development and technical and compositional perfection. Students will work independently and begin to develop a personal style and a meaningful purpose for producing each piece. We strongly encourage, it is not required, that each student have their own 35mm camera with a manual mode (adjustable aperture and shutter speed).

90123  Advanced Photography  
Grades: 10-12  
0.5 credit

Prerequisite:  90121 - Photography 2

This course is designed for those who have successfully completed Photography 1 & 2. The class will emphasize production of high quality work rather than process exploration and experimentation. Extensive work outside of class is required. Students in this course will focus on the conceptual component of their artwork and will also concentrate on technical and compositional perfection. Students will begin a personal journey of independent exploration of photographic media, sophistication of conventional practices and instructor driven methods in order to extend him/herself in terms of theme or content. Students are expected to complete an 8-10 piece portfolio at the end of the semester. We strongly encourage, it is not required, that each student have their own 35mm camera with a manual mode (adjustable aperture and shutter speed).

90140  Sculpture 1  
Grades: 9-12  
0.5 credit

Prerequisite:  90020 - Art and Design

Do you like working with your hands and building things out of a variety of materials? This class offers students the opportunity to explore sculptural form in both relief and in the round. Students will work with a variety of materials including materials like clay, plaster, paper, wood, and recycled objects. Students will work with three-dimensional form through realistic, abstract and non-objective subject treatments. Additive and subtractive methods of sculpture, as well as assemblage sculpture will be explored.
**90141 Sculpture 2**
Grades: 10-12
0.5 credit

*Prerequisite: 90140 - Sculpture 1*

This course is a continuation of Sculpture 1 in which more advanced sculpture problems will be given special consideration. Figurative subject matter may be emphasized at this level. **THIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.**

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**90010/90011 AP Studio Art AA/BB: Drawing**
Grades: 11-12
1.0 credit

**90012/13 AP Studio Art AA/BB: 2-D Design**
**90014/15 AP Studio Art AA/BB: 3-D Design**

*Prerequisite: Art and Design (Other level 1 art classes are suggested but not required.)*

*Course Note: Completion of a summer homework assignment is required for this class.*

The College Board provides students with an opportunity to complete 1 of 3 different portfolios. This course may be repeated if the student is creating a different portfolio in the subsequent year. This course is designed for the serious art student who has maintained a “B” average in art courses and obtains the recommendation of the art instructor. The quality and breadth of work should reflect first-year college-level standards. The class will emphasize high quality work with product orientation rather than a process-experimentation approach. Extensive work outside the classroom is required. The end product for AP students will be a portfolio for evaluation by the College Board. College credit may be earned on the basis of the evaluation by that committee.

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**90151 FLEX Art History**
Grades: 9-12
0.5 credit

*Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This one-semester high school course introduces art within a historical, social, geographical, political, and religious context for understanding of art and architecture through the ages. The course is organized by chronological and historical order, and world regions. Topics include Early Medieval Art and Romanesque Art; Art in the 12th, 13th, and 14th Centuries; 15th Century Art in Europe; 16th Century Art in Italy: The Master Artists; High Renaissance and Baroque Art; World Art, which includes the Art of Asia and the Art of Africa, the Americas, and the pacific Cultures; 18th and 19th Century Art in Europe and The Americas; and concludes with a modern art unit that covers Modern Art in Europe and the Americas.

**Currently, the NCAA Clearinghouse does not recognize Edgenuity (formerly known as E2020)/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**
Performing Arts

94000/94001  Acappella Choir A/B  Grades: 10-12  1.0 credit  

Course Note:  Audition or Director Approval  
An intermediate level choir, which requires a high degree of musical knowledge and musicianship. Acappella Choir is Soprano/Alto/Tenor/Bass choir, which meets every day of the week and is a full year class. This course will have a wide range of activities to further develop musicianship. Sacred and secular choral literature of all styles and centuries will be studied and performed. This class is designed for both male and female singers who have a basic music theory background and solid sight reading at the intermediate level. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.

94020  Acting 1  Grades: 9-12  0.5 credit  
This course is a study of the fundamental theories and techniques of acting. Voice, body movement, and characterization are among the units covered. This course is designed to build confidence, improve self-discipline, and concentration while helping the student feel at ease with his/her experience in the art of drama.

94021  Acting 2  Grades: 10-12  0.5 credit  
Prerequisite:  94020 - Acting 1  
The purpose of this course is to provide students with the opportunity to develop acting skills as well as skills in literary analysis while doing scene work. The course will survey important authors and plays from several literary periods. Some plays will be studied in depth, and written analysis will be required with scene work. Taking directions, acting style, and rehearsal techniques will be emphasized while each student will have the opportunity to work on his/her personal acting skills. Ninth graders may take this course with permission of instructor.

94022  Acting 3  Grades: 10-12  0.5 credit  
Prerequisite:  94021 - Acting 2  
The major goal of this course is to provide the advanced student with the opportunity to work on his/her own personal acting skills as well as offer various types of performance situations. Taking directions, acting style, and rehearsal techniques will be emphasized. Scenes will be studied in depth and written analysis will be required. Ninth graders are not eligible for this class. THIS COURSE MAY BE REPEATED FOR CREDIT.

94030/94031  Advanced Women’s Chorus A/B  Grades: 10-12  1.0 credit  
Course Note:  Audition or Director’s Approval  
This course is designed for female singers with previous high school choral experience. It is an intermediate level choir open to women wishing to further their musical knowledge and singing skill. This course emphasizes vocal production, intermediate level music reading, listening skills, and the performance and study of sacred/ secular songs of all styles and centuries. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.
94070/94071  Chamber Singers A/B  Grades: 10-12  1.0 credit

Course Note:  Audition
The Chamber Singers is an advanced level vocal ensemble, which requires a high degree of discipline, musicality and vocal musicianship. Because this group is a highly respected vocal music ensemble, we look for members who possess qualities of leadership, maturity, stage presence, responsibility, self-motivation and a respectable character. This class meets every day and is a full year class. This course emphasizes vocal production, advanced level music reading, listening skills, and the performance and study of sacred/secular songs of all styles and centuries. This course is designed for both male and female singers who have a good music theory background and have solid sight reading skills. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals, competitions, community events and private parties, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.

94080/94081  Chamber Ensemble A/B  Grades: 9-12  1.0 credit

Course Note:  Director’s Approval Required
This course is only open to percussionists. This class is designed for students to experience and study the performance techniques of small ensemble playing. Students will study small ensemble music in a variety of ways, including performance and listening. Outside of school performances are mandatory. This class is designed to enhance student experience in large ensembles, therefore a director may choose to not grant approval to a student who is not currently enrolled in a large ensemble.

94090/94091  Chamber Strings A/B  Grades: 11-12  1.0 credit

Course Note:  Chamber String A/B
Chamber Strings will consist of the top players in Symphony Strings. This most advanced ensemble requires a high degree of music knowledge, skills and musicianship. Students will perform all the same literature as the Symphony but will spend less class time in preparation and explanation. They will explore the more advanced string and chamber music literature. Because this group is a highly-respected string ensemble, we look for members who possess qualities of leadership, maturity, stage presence, responsibility, and a respectable character. This is a full year class. The ensemble is usually limited to 8-10 violins, 3-4 violas, 3-4 cellos and 1-2 basses. Private lessons are encouraged. Consistent attendance at all class functions including rehearsals and concerts is considered regular class work. This ensemble will perform at school concerts, music festivals, community fundraisers and events and competitions. Classes meet daily. Students will be expected to enroll in Symphony Orchestra. This is mandatory.

94110/94111  Concert Band A/B  Grades: 9-12  1.0 credit

Course Note:  Director’s Approval.
This course is typically for Freshman only.
This course is designed for students to learn music through performance in band. Prior experience is necessary. Students will perform concerts throughout the year and all performances are mandatory. Additionally students will learn to perform as a member of a team. This course is considered the beginning level of concert bands at the high schools. There are minimal costs involved with this course.
94120/94121 **Concert Choir A/B**  
*Course Note:* **Audition or Director's Approval**  
Grades: 9-12  
1.0 credit  
An intermediate level choir, which requires musical knowledge and musicianship. Concert Choir is Soprano/Alto/Tenor/Bass choir, which meets every day of the week and is a full year class. This course will have a wide range of activities to further develop musicianship. Sacred and secular choral literature of all styles and centuries will be studied and performed. This class is designed for both male and female singers who have a basic music theory background and solid sight reading. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.

94200/94201 **Men's Chorus A/B**  
*Course Note:* **No prerequisite**  
Grades: 9-12  
1.0 credit  
This course is designed for all high school men who have not had any previous singing experience at the high school level. This is a tenor/bass choir, which meets every day of the week and is a full year class. This choir serves as a training choir for the more advanced choirs. Primary level sight-reading, vocal technique and appreciation of various musical styles will be emphasized. Both sacred and secular choral music of all styles and centuries will be studied and performed. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.

94220/94221 **Philharmonia Strings A/B**  
*Course Note:* **Audition or Director's Approval**  
Grades: 9-12  
1.0 credit  
Philharmonia Strings is a training program primarily for freshmen, but is available to any student 9-12. Any student who needs further instruction on the sixth year of string pedagogical development and possesses a strong desire for self-improvement is welcome. This course will focus on the individual development of stronger skills including how to practice, sight-reading skills, extension of individual technique, ear training and theory. Success will be measured by the continued improvement of all skills and the development of individualized musicianship. Consistent attendance at all class functions including rehearsals and concerts is considered regular class work. This ensemble will perform at school concerts, music festivals, community fundraisers and events and competitions. Philharmonia is a competing ensemble that may also perform as an addendum to the Symphony Orchestra.

94230 **Piano**  
Grades: 9-12  
0.5 credit  
Class piano is group piano instruction for beginning piano students: those who have little or no prior musical experience with the piano keyboard. Classes will be held in the Music Technology Lab where student musicians will learn basic musicianship, beginning keyboard technique, music theory, and some ensemble performance practices. Students will use the technology lab software to learn music theory. No prior knowledge of music notation or the piano is necessary.

94240 **Stagecraft**  
*Course Note:* **Teacher Approval Required. STUDENTS WISHING TO REPEAT THIS COURSE MUST GET TEACHER APPROVAL.**  
Grades: 10-12  
0.5 credit  
This course will explore the technical aspects of theatre. Emphasis will be placed upon achieving sound knowledge and hands-on experience with such things as stage mechanics, set construction, lighting, sound, makeup, and costumes. Opportunities to work on major productions will be provided. All students will complete a design project centered on a play of their choice.
94250/94251  Symphony Band A/B  Grades: 10-12  1.0 credit

Course Note: Director's Approval

At CENTRAL this course is not open to freshmen unless concert band will not fit in the student’s schedule.

This course is designed for students to learn music through performance in band. Prior experience is necessary. Students will perform concerts throughout the year and all performances are mandatory. Additionally students will learn to perform as a member of a team. This course is considered the intermediate level of concert bands at the high schools.

94132  From Bach to Rock  Grades: 10-12  0.5 credit

Course Note: Only offered at Central

This course is only offered 2nd semester with Director’s Approval required.

This is a one semester music appreciation course which will expose the student to a varied cross section of musical elements that are encountered in everyday life. It will provide a general overview of the characteristics and history of music from Bach to Rock. The course will emphasize the rudiments of music, the various musical instruments, the basics of music history, and the growth and development of modern music. Attendance at one out-of-school concert will be required as part of this class. This course may not be repeated.

94131  Color Guard  Grades: 9-12  0.5 credit

Course Note: Only offered at Central

This course is only offered 2nd semester with Director’s Approval required.

This course is designed for students to study and perform the elements of color guard which include body movement, dance, flag, and the use of auxiliary equipment. Dance or gymnastic background is helpful while not required. There are no out of school day performances required for this class and no prior experience is necessary.

94180  Jazz Ensemble  Grades: 9-12  0.5 credit

Course Note: At CENTRAL this course is offered as a 7th hour only, and only second semester. At WESTERN this class is offered as a Zero Hour only and only second semester. At NORTHERN this class is offered during the school day, second semester only. Director's Approval required.

Jazz Ensemble is a performance based class for instrumental musicians. Students will study and perform music from the genres of jazz, pop, Latin, and rock. Outside of school performances are mandatory.

94190  Marching Band  Grades: 9-12  0.5 credit

Course Note: Director's Approval. This ensemble rehearses in the evening.

The marching band is one of the most recognized and acclaimed performance ensembles. This ensemble is made up of four main sections: Brass, Woodwind, Percussion, and Color Guard/Majorettes. This ensemble is highly recommended for all students enrolled in one of the concert bands. All students are expected to attend a marching band camp in August and other summer rehearsals. There are many outside of the school day performances and rehearsals and attendance is mandatory at all rehearsals and performances. There are fees required for this course. Anyone needing financial assistance for the field trips should contact the director as soon as possible.
94210  Music Theory  
Grades: 10-12  
Course Note: Teacher Approval
This elective course is open to sophomores, juniors and seniors with approval of the teacher. It is strongly recommended that students have strong mathematical and reasoning skills as well as Keyboard skills and excellent musicianship. Students will make an in-depth study of the mechanics of musical compositions. Ear training, harmony, form and analysis will be studied simultaneously. Students will work primarily in the Music Tech Lab on keyboards. Qualified students may take the AP Level Course and take the AP Music Theory Test for College Credit at the end of the 2nd semester. This class may be repeated for credit.

94270/94271  Symphony Strings A/B  
Grades: 9-12  
Prerequisite: 94261 - Symphony Orchestra Winds B  
Course Note: Audition or Director's Approval
Symphony Strings consists primarily of upper class students who have mastered more than the basics on their instrument, thrive on challenge, have a strong sense of musicianship, have established for themselves a successful practice routine, understand how to problem solve in their individualized practice sessions, have excellence as a goal, and wish to pursue professional symphony literature on a day to day basis. Consistent attendance at all class functions including rehearsals and concerts is considered regular class work. This ensemble will perform at school concerts, music festivals, community fundraisers and events and competitions. Students will be expected to enroll in Symphony Orchestra in addition and attend after school lab rehearsals twice a week as determined by building and director. This is mandatory.

94280  Theatre Production  
Grades: 10-12  
Prerequisite: 94020 - Acting 1 or 94240 - Stagecraft
This course is open to advanced acting and technical students. Students in this class will become members of a production team for plays and other types of productions. Students must be willing to accept the responsibilities of production work for audiences. Students may choose to act, do technical work, or do both for the shows produced. In addition to production work, advanced theory and practice in both acting and technical aspects of theater will be part of this course. ACTING 2 and STAGECRAFT is recommended as a prerequisite. THIS COURSE IS ONLY OFFERED 2nd SEMESTER. THIS COURSE MAY BE REPEATED FOR CREDIT.

94170  Intro to Media Production  
Grades: 9-12  
Course Note: This course is offered at Walled Lake Western only (Central and Northern students may be transported by the school district).
This class is designed to introduce students interested in the field of communications to the techniques and theories of television broadcasting. Students will learn how to operate all audio and video equipment in a cable television studio. Projects will include commercials, music videos, and short story videos. Projects may be cablecast to the community on the local access channels or published on YouTube and social media. Students will have the opportunity to work behind the camera, as well as in front of the camera.
94290/94291  Media Production A/B (1 Hour)  Grades: 10-12  0.5 credit
Prerequisite:  94170 - Introduction to Media Production
Course Note:  This course is offered at Walled Lake Western only. (Central and Northern students may be transported by the school district).
Television Production is a “hands-on” production class. Students will have an opportunity to combine technical, directing, and performance skills in the field of television. They will create their own projects for broadcast to the community on local cable channels and published on YouTube and social media. The primary focus of this class is acquiring and improving editing skills. Production work outside of class time will be a requirement of this course.

94292/94293  Adv. Media Production A/B (1 Hour)  Grades: 10-12  1.0 credit
Prerequisite:  94291 – Media Production B
Course Note:  This course is offered at Walled Lake Western only. (Central and Northern students may be transported by the school district).
In this class, students will have the opportunity to combine skills acquired in previous production classes. News magazines, game shows, promos, sporting events, etc. are just a few of the projects that can be created in this class. Work is aired on the community cable channels and entered in contests. Production work outside of class time is a requirement of this course.  THIS COURSE MAY BE REPEATED FOR CREDIT WITH TEACHER APPROVAL.

82400/82401  IB Theatre SL AA  Grades: 11-12  1.0 credit
Course Note:  Only offered at Walled Lake Western.  See the IB Course section of the Program of Studies beginning on page 44.

94300/94301  Vocal Ensemble A/B  Grades: 9-12  1.0 credit
Course Note:  Audition and enrollment in a daytime choir required
This class is designed for students with previous choral experience. This is an intermediate level choir open to students wishing to further their musical knowledge and experience. The Ensemble splits into two choirs: a TTBB Men’s Ensemble and an SSAA Women’s Ensemble which meet after school and is a full year class. This course emphasizes performance, advanced vocal production, intermediate level sight reading and appreciation of various musical styles. Both sacred and secular choral music of all styles and centuries will be studied and performed. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.

94310/94311  Wind Ensemble A/B  Grades: 9-12  1.0 credit
Course Note:  Director’s Approval Required
This course is designed for students to learn music through performance in band. Prior experience is necessary. Students will perform concerts throughout the year and all performances are mandatory. Additionally students will learn to perform as a member of a team. This course is the advanced level of concert bands at the high schools.
Women’s Chorus A/B

Grades: 9-12

1.0 credit

Course Note: No prerequisite

This course is designed for all high school women who have not had any previous singing experience at the high school level. This is a soprano/alto choir, which meets every day of the week and is a full-year class. This choir serves as a training choir for the more advanced choirs. Primary level sight-reading, vocal technique and appreciation of various musical styles will be emphasized. Both sacred and secular choral music of all styles and centuries will be studied and performed. Consistent attendance at all course functions, including after school rehearsals and concerts is considered regular course work. This choir will perform at school concerts, music festivals and competitions, some of which occur in the evenings or weekends. Students in this choir may travel on choir trips when offered.
Career Technology Department

90021  **Animation A**  \hspace{1cm} Grades: 9-12  \hspace{1cm} 0.5 credit

*Course Note:* **No prerequisite**

This course will introduce fundamental principles of animation, character design, and storyboarding focusing on a variety of beginning animation techniques. The goal is to have students explore a variety of animation processes to then create their own short, animated films consistent with entry-level college/industry standards. This course will include a subscription to the ACME animation community. This is a community that supports learners and educators and includes focused guidance and expertise from professionals representing every aspect of the field of animation. Participation in peer review via the ACME website is expected.

91018  **Animation B**  \hspace{1cm} Grades: 9-12  \hspace{1cm} 0.5 credit

*Prerequisite:* 90021 Animation A

This course continues the study of animation fundamentals, character design, and storyboarding within a range of advanced animation techniques, including 3-D computer software and other medias. Students will create their own directed short, animated films consistent with entry-level college/industry standards. This course will include a subscription to the ACME animation community. This is a community that supports learners and educators and includes focused guidance and expertise from professionals representing every aspect of the field of animation. Participation in peer review via the ACME website is expected.

91010/91011  **Architectural CAD 1A/1B**  \hspace{1cm} Grades: 9-12  \hspace{1cm} 1.0 credit

*Course Note:* **Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.**

This course is designed for students who want some exploratory work in architectural drafting and the ability to plan their own home. The course includes the study of basic design, construction details, and materials used in residential and commercial buildings. Development of fundamental drafting skills and techniques necessary to prepare architectural plans will be stressed. The student will use 3-dimensional computer design software to create his/her home design.

91012/91013  **Architectural CAD 2A/2B**  \hspace{1cm} Grades: 10-12  \hspace{1cm} 1.0 credit

*Prerequisite:* 91010 - Architectural Drafting 1A; 91011 - Architectural Drafting 1B

*Course Note:* **Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.**

This course is a continuation of the architectural drawing skills and techniques used in Architectural Drawing 1 with added study in home design, electrical layout, plumbing requirements, and brick and masonry techniques necessary to complete a set of working drawings. Advanced work in computer-aided drafting and design is included.
91030/91031  Introduction to Programming A/B  Grades: 9-12  1.0 credit
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This class is for students interested in exploring computer science and programming, including the concepts of structure, design, logical reasoning, and graphical programming. Students will learn how to solve programming problems by breaking them down into logical steps. A variety of software systems are used so student can learn fundamental programming skills. **This course is a related course for High Tech Work-Based Learning (Co-Op).** Through an articulation agreement with Oakland Community College and Baker College, students may contact a CTE teacher for more information. College credit is available for all students who earn a grade of B or above.

91000/91001  AP Computer Science AA/BB  Grades: 10-12  1.0 credit
**Prerequisite:** 91030/31 - Introduction to Programming
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
Completion of a summer homework assignment is required for this class.
This course is modeled after a college-level programming course and will follow the guidelines established by the College Board. The course will begin with a brief review of functions and include classes, structures, memory accessing and other topics required for problem solving in the JAVA language. Students successful in AP Computer Science will be prepared to take the Advanced Placement examination in Computer Science. **This course is a related course for High Tech Work-Based Learning (Co-Op).** Through an articulation agreement with Oakland Community College and Baker College, college credit is available for students who earn a grade of B or above. Students may contact a CTE teacher for more information.

91004/91005  AP Computer Science Principles AA/BB  Grades: 10-12  1.0 credit
**Prerequisite:** 91030/31 - Introduction to Programming (Seniors may waive this prerequisite)
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This is a survey of computer science intended for all students, regardless of career goals. Following guidelines of the College Board, students will use computational thinking practices throughout this course. Four units of study include: digital information (encoding, binary), the Internet (internet protocols, routing, encryption), programming (write procedures and functions, string manipulation and image processing), and data (searching and data mining). **This course is a related course for High Tech Work-Based Learning (Co-Op).** Through an articulation agreement with Oakland Community College and Baker College, college credit is available for students who earn a grade of B or above. Students may contact a CTE teacher for more information.

91032/91033  Banking and Finance A/B  Grades: 9-12  1.0 credit
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This course provides an overview of the financial system. It examines the fundamentals of banking, including the theory of interest rates, the functions of banks as financial intermediaries, and the financial markets in the financial system. Included in this course will be the basic business of banking, bank regulation, the banking system, central banking, monetary policy and the changing environment of banking. Additionally, personal finance topics such as investing, insurance, and consumer credit will be discussed.
91040  Business Law

**Course Note:** No prerequisite

This course introduces the fundamental principles of business law. Topics covered in this course include the following: business ethics, civil law and procedure, business crimes and torts, contract, labor and employment, intellectual property, consumer rights and protections, dispute resolutions through the courts and alternative means. Analysis of relevant cases and current issues in business law will be incorporated in order to encourage analytical thinking. This course is an excellent foundation for those planning to major in business in college. Prospective business owners, managers, accountants, attorneys, paralegals, and others seeking to broaden their understanding of the legal system will benefit from this course. This course is a related course for Business Work-Based Learning (Co-Op). Students may contact a CTE teacher for more information.

91050/91052  Business Work-Based Learning (Co-Op) A/B

**Course Note:** Acceptance into the Work-Based Learning program requires attendance and acceptable grade(s) in related class(es). Student must be in good standing according to the signed application and Work-Based Learning contract.

This course is designed for students with a background in computers and/or accounting. Students work in a business environment. The coordinator will match student skills to an employment opportunity and will send students out on job interviews. Students must be enrolled in Digital Multimedia, or Computerized Accounting concurrently with the Work-Based Learning program. In addition to the credit students receive for co-op work, they will also be earning an hourly wage. Credit for the program is based upon full completion.

91352  FLEX Consumer Skills

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This one-semester course for upper-level high school students provides information regarding consumer skills for personal success. The primary skills examined include personal financial stability, consumer responsibilities, healthcare, housing, and transportation. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

91054/91055  Financial Literacy A/B

**Course Note:** This class fulfills the fourth year math requirement.

Understanding and managing personal finance is integral to one’s future success. This foundational course is designed to provide students with the essential knowledge and skills to make informed decisions about real world financial issues. This course covers the four major areas of personal finance. Included are income, money management, spending and credit, and saving and investing. Typical math problems include payroll taxes, figuring discounts, markup percents, interest computations including fixed and variable rate mortgages, installment credit, insurance, and business records. In a project-based environment, students will: design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. Students will apply mathematical principles in solving a variety of consumer and personal financial problems. Students apply math skills such as percents, proportions, data analysis, functions and formulas to real-life situations. This is a related course for Finance Work-Based Learning (Co-Op). Students may contact a CTE teacher for additional information. Through an articulation agreement with Baker College, students earning a grade of B or above may earn college credit.
91350/91351  FLEX Financial Math A/B  
**Grades:  9-12  
1.0 credit**

**Course Note:**  Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. This class fulfills the fourth math requirement.

This two-semester course designed for high school students focuses on the applications of mathematics in personal and business settings. This course contains 15 major topics: personal financial planning, income, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, consumer credit, consumer debt, economic principles, traveling abroad, starting a business, and analyzing business data. Students apply math skills such as percents, proportions, probability, data analysis, linear systems, exponential functions and formulas to real life situations. In the Making Connections sections, relevant, project-based learning activities provide students with a deeper understanding of the subject matter.

**Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

91062/91063  Cisco Networking Academy 1A/1B  
**Grades:  9-12  
1.0 credit**

**Course Note:**  Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

This course is offered only at Central but is open to students from Western and Northern as well. The Cisco Networking Academy program is a complete, four semester program on the principles and practice of designing, building, and maintaining networks capable of supporting national and global organizations. The program features hands-on, project-driven training in high demand job skills.

Cisco I offers the student an opportunity to learn the methods and procedures required to earn their Cisco CCENT certification. Introduction to Networks (ITN) is the first course students will complete in the Cisco CCNA Routing and Switching curriculum teaching students the architecture, structure, functions and components of the Internet and other computer networks. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Routing and Switching Essentials is the second course in the CCNA Routing and Switching curriculum teaching students how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPng, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing. This class is a related course for High Tech Work-Based Learning. Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College.

91064/91065  Cisco Networking Academy 2A/2B  
**Prerequisite:**  91063 - Cisco Networking Academy 1B  
**Grades:  9-12  
1.0 credit**

**Course Note:**  Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

This course is offered only at Central but is open to students from Western and Northern as well.

The Cisco Networking Academy program is a complete, four semester program on the principles and practice of designing, building, and maintaining networks capable of supporting national and global organizations. The program features hands-on, project-driven training in high demand job skills.

Cisco 2 offers the student an opportunity to learn the methods and procedures required to earn their Cisco CCNA certification. Scaling Networks is the third course in the CCNA Routing and Switching curriculum teaching students how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP. Connecting Networks is the
fourth and final course in the CCNA Routing and Switching curriculum covering the WAN technologies and network services employed by converged applications in a complex network. By the end of this course, students will be able to configure and troubleshoot network devices and resolve common issues with data link protocols. This course is a related course for High Tech Work-Based Learning. Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College.

91070/91071  Computerized Accounting 1A/1B  Grades: 9-12  1.0 credit
Course Note:  Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual,Performing & Applied Arts.
This course is strongly recommended for students who wish to pursue a career in Business or Finance. Using an integrated approach in the course, students learn how businesses plan for and evaluate operating, financing and investing decisions and then how accounting systems gather and provide data to internal and external decisions makers. This course covers all the learning objectives of a traditional college level accounting course, plus those from a managerial accounting course. Topics include accounting information systems, time value of money, accounting for merchandising firms, sales and receivables, fixed assets, debt, equity, cash flow, financial ratios, cost-volume profit analysis and variance analysis. This course is a related course for Finance Work-Based Learning. Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Baker College.

91072/91073  Computerized Accounting 2A/2B  Grades: 10-12  1.0 credit
Prerequisite:  91071 - Computerized Accounting 1B
Course Note:  Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual,Performing & Applied Arts.
This course is a continuation of Computerized Accounting. It takes the basic accounting principles and processes learned in the first course, and expands upon their uses. This course is strongly recommended for students who wish to pursue a career in Business or Finance. Using an integrated approach in the course, students learn how businesses plan for and evaluate operating, financing and investing decisions and then how accounting systems gather and provide data to internal and external decisions makers. This course covers all the learning objectives of a traditional college level accounting course, plus those from a managerial accounting course. Topics include accounting information systems, time value of money, accounting for merchandising firms, sales and receivables, fixed assets, debt, equity, cash flow, financial ratios, cost-volume profit analysis and variance analysis. This course is a related course for Finance Work-Based Learning. Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Baker College.

91080/91081  Digital Multimedia 1A/1B  Grades: 9-12  1.0 credit
Course Note:  Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual,Performing & Applied Arts.
This class sets you apart from your peers in the competitive job market and college selection process. MOS certification is a valuable credential that is recognized worldwide as proof that an individual has the desktop computing skills needed to work productively and efficiently. In this course students will explore different software programs that combine text and graphics, as well as worksheets and charts created in other programs to produce professional quality documents. This course is also an introduction to graphics and design technology, including principles and elements of graphic design using computers to generate ideas through the use of critical thinking strategies.
The students will identify and demonstrate graphics and printing technology by understanding basic vocabulary, industry standards and the completion of graphics products. **This course is a related course for High Tech Work-Based Learning.** Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College and Baker College.

**91082/91083  Digital Multimedia 2A/2B**  
**Grades:** 9-12  
**1.0 credit**  
**Prerequisite:** 91081 – Digital Multimedia 1B  
**Course Note:** Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.  
This class will continue to explore different MOS certifications that are a valuable credential recognized worldwide as proof that an individual has the desktop computing skills needed to work productively and efficiently. This course explores principles and elements of design in much greater detail using computers to generate design ideas. In this course students will continue to explore different software programs that combine text and graphics, as well as worksheets and charts created in other programs to produce professional quality documents. Students will also develop an understanding of the variety of career opportunities available. **This course is a related course for High Tech Work-Based Learning.** Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College and Baker College.

**91110/91111  Engineering CAD 1A/1B**  
**Grades:** 9-12  
**1.0 credit**  
**Course Note:** Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.  
This course is intended for the student who may be interested in engineering design. The course covers detail and working drawings, 3-dimensional solid modeling, and sheet metal drawings. With parametric, students define their model according to the size, shape, and the positional relationships of its parts. Focus is based on part modeling, assembly modeling, surface modeling, and rendering. Students will learn how to automatically generate multi-view drawing, auxiliaries, section views and revolutions. They will also have the capability to easily create, document, and analyze mechanical assemblies essential for workgroup collaboration.

**91112/91113  Engineering CAD 2A/2B**  
**Prerequisite:** 91110 - Engineering Drafting 1A or 91111 - Engineering Drafting 1B.  
**Course Note:** Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.  
This course is a continuation of the Intro Course with an emphasis on 3 dimensional modeling. This course gives a firmer foundation in the fundamentals of drafting. More complex work in orthographic projection, detail, and assembly drawings is covered. The course focuses on the concept of 3D space, rendering techniques, meshes, objects, solid modeling, editing solid models, and producing engineering drawings from solid models. This course is especially designed for the student who is enrolled in a pre-engineering program.
91120/91121  Engineering Technology & Robotics A/B  Grades: 10-12  1.0 credit  
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

This course is designed for students who are curious about how things work and like to design and create. This is a dynamic, hands-on, problem-solving class that will include the study of automation and robotics, mechanical, electrical, and fluid power systems. Students will explore the innovative design and manufacturing process using computer-aided design (CAD). The course will include opportunities to work in a team and think critically. Students will integrate skills from a variety of disciplines, including math, science, and communications. Many students who take this course are also involved with the OCCRA and FIRST Robotics Teams based at Western H.S.

91120/91121  Engineering Robotics and Programming A/B  Grades: 10-12  1.0 credit  
**Prerequisite:** 91120-21 - Engineering Technology and Robotics or 91030/31 - Introduction To Programming  
**Course Note:** Completion of this class will fulfill the fourth-year Mathematics credit requirement or will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

Engineering Robotics and Programming is a hands-on course designed to give the students the opportunity to continue their exploration with the principles of electrical and mechanical engineering and design. Students take on the roles of design engineers and programmers to develop basic electrical-mechanical systems of their own design. Curriculum areas include mechanical layout, drive circuits and elementary programming. Assignments will involve motion planning (position/velocity/acceleration) and obstacle avoidance. Students put knowledge into practice working in teams through a real world structure to identify a task, set requirements, propose a design, and build their project. The process will be punctuated with timely report-outs to show progress and lessons learned. Students will have the opportunity to apply what they have learned through robot competitions. The design, construction, and programming of robots and other mechanical devices apply science, technology, engineering and math (STEM) concepts.

91130/91131  Entrepreneurship A/B  Grades: 10-12  1.0 credit  
**Prerequisite:** Marketing 1A/B or Teacher Approval  
**Course Note:** Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

Entrepreneurship is a marketing related course which focuses on recognizing business opportunities, understanding the potential risks taken within the prospective business, starting the business, and operating and maintaining that business. Upon completion of this course, the student will have researched a business venture, developed a business plan and proposed the plan to potential investors and leaders. This course is a related course for Marketing Work-Based Learning (Co-Op). Students may contact a CTE teacher for more information. Through an articulation agreement with Oakland Community College and Baker College, students who earn a grade of B or higher in this course may earn college credit.
91150/91152  High Tech (Co-op) Work-Based Learning A/B  Grades: 11-12  1.0 credit
Course Note:  Students must be accepted into the Work-Based Learning Program (Co-Op) in which attendance and acceptable grade are required in the related class. Students must be in good standing according to the signed application and Work-Based Learning contract to remain in this program.
This course is designed for students with experience and knowledge in the high tech computer area. Students will work as computer technicians. The coordinator will match your skills to a technical position and send you out on job interviews. You must be enrolled in Networking Technologies, Cisco I or II, Web Design, or Programming. In addition to the credit you receive for co-op work, you will also be earning an hourly wage. Co-op is a one-year program. Credit for the program is based upon full completion. Students must enroll in a related course each semester.

91220  Introduction to Business  Grades: 9-12  0.5 credit
Course Note:  No prerequisite
This course serves as an overview in understanding the business system and the economic setting in which it functions. Topics include managing your money, using a checking account, saving and investing money, wise use of credit, insurance protection, and career opportunities within the business field.

91240/91241  Marketing 1A/1B  Grades: 9-12  1.0 credit
Course Note:  Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This course is designed for students interested in the business industry and those interested in marketing careers and co-op during their senior year. Marketing opportunities are surveyed and competencies are related to the world of work. Areas of study include advertising, communications, display, human relations, merchandising, sales, stocking and cashier operations. This course is a related course for Marketing Work-Based Learning (Co-Op). Students may contact a CTE teacher for more information. Through an articulation agreement with Oakland Community College and Baker College, students who earn a grade of B or higher in this course may earn college credit.

91250/91252  Marketing (Co-op) Work-Based Learning A/B  Grade: 12  1.0 credit
Prerequisite:  91241 - Marketing 1B or acceptance into the Co-op program
Course Note:  Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
The Marketing Co-op Work program is designed for students who are interested in exploring the field of marketing. The co-op student works ten to twenty-four hours per week at a co-op training station and earns an hourly wage along with two credits towards graduation. Through the supervisor’s evaluations, the coordinator’s visitation, and co-op student’s training agreement, a student will receive valuable work-based learning experience related to his/her career goal. This class may use the school store as a working lab.

91271/91272  Retailing & Promotional Marketing A/B  Grades: 10-12  1.0 credit
Course Note:  Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
There are two areas concentrated with this course; promotions as a professional career and retailing. Promotions will allow the students to focus on creating and implementing professional promotions. Focusing on the promotional mix the student will learn advanced concepts in focus groups/market research, advertising concepts, and public relations. Retailing will have the students focus on aspects of running a day to day business, designing floor layout, pricing, purchasing, and more. This class will provide students the opportunity to develop skills in the following areas: sales process, buyer behavior, communication styles, ethics, international selling, and retailing as a career. This
Grades: 10-12
1.0 credit
Acceptance in the Work-Based Learning Program. This class is only offered at Western Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

Course Note: Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts. This is an advanced marketing course. It is designed for students interested in future business careers. The student will analyze the various areas of Sports, Entertainment, Hospitality Marketing and Entrepreneurship. Upon completion of this course, the student will develop successful marketing/business plans for athletic teams, entertainment events, and the travel and tourism industry. The course content will include focusing on careers within each industry, event management, promotion, customer service, public relations, communications and merchandising. International as well as local venues will also be studied. This course is a related course for Marketing Work-Based Learning (Co-Op). Students may contact a CTE teacher for more information. Through an articulation agreement with Oakland Community College and Baker College, students who earn a grade of B or higher in this course may earn college credit.

91300/91301  Professional Marketing A/B Grades: 10-12  1.0 credit
(Sports/Entertainment/Hospitality Marketing/Entrepreneurship)

Course Note: Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

This is an advanced marketing course. It is designed for students interested in future business careers. The student will analyze the various areas of Sports, Entertainment, Hospitality Marketing and Entrepreneurship. Upon completion of this course, the student will develop successful marketing/business plans for athletic teams, entertainment events, and the travel and tourism industry. The course content will include focusing on careers within each industry, event management, promotion, customer service, public relations, communications and merchandising. International as well as local venues will also be studied. This course is a related course for Marketing Work-Based Learning (Co-Op). Students may contact a CTE teacher for more information. Through an articulation agreement with Oakland Community College and Baker College, students who earn a grade of B or higher in this course may earn college credit.

91336/91338  Trade & Industrial (Co-op)
Work-Based Learning A/B

Course Note: Acceptance in the Work-Based Learning Program. This class is only offered at Western but is open to students from Northern or Central. Attendance and grade in related class must be in good standing according to the signed application and co-op contract to remain in the Work-Based Learning Program.

This course is designed for seniors who have background courses in the Industrial-Technical area and wish to work in the community. Students interested in entering a trade or industry such as CAD/Drafting and Architecture should elect this course. Many new positions, with laboratory settings, require students with computer, math, or science backgrounds as well. The co-op students work 10-24 hours weekly at a training station and earn an hourly wage along with credit toward graduation. Through the supervisor’s evaluation, the coordinators’ visitations, and the co-op student’s training plan, a student will receive valuable work-based learning related to his/her career goal. Students completing the year successfully will receive a vocational certificate. Work-Based Learning is a year-long program and credit is based on full completion.

91340/91341  Web Design 1A/1B

Course Note: Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.

This course offers the student an opportunity to learn the methods and procedures required to design, implement, and maintain effective web sites. Students develop skills to produce web-ready communications, learn graphic design principles, web site development and web site design strategies. Projects focus on a variety of graphical images, logos, banners, web sites, web photo albums and interactive graphics. Students will be exposed to the capabilities and structure of HTML coding, and use Adobe Dreamweaver to design, build and administer web sites and Adobe Photoshop to develop graphics. This course is a related course for High Tech Work-Based Learning (Co-op). Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College and Baker College.
91342/91343 Web Design 2A/2B Grades: 10-12 1.0 credit
Prerequisite: 91341 - Web Design 1B
Course Note: Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This course offers the student an opportunity to gain real world experience in the field of Web Design by building and maintaining web sites. Students will expand their knowledge of design techniques and animation skills that will enhance the productivity and layouts of their sites. A continuation of good design principles from Web Design 1 are also emphasized and evaluated. During this course students will complete the skills necessary to achieve Adobe Certifications in this and future classes. This course is a related course for High Tech Work-Based Learning (Co-op).
Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College and Baker College.

91344/91345 Web Design 3A/3B Grades: 10-12 1.0 credit
Prerequisite: 91343 - Web Design 2B
Course Note: Completion of this class will meet the state-approved formal CTE program for 1.0 exchange credit in Science or World Language or Visual, Performing & Applied Arts.
This course offers the student an opportunity to experience advanced real world experience in the field of Web Design by building and maintaining web sites and focusing on certifications. Students will expand their knowledge of design techniques and animation skills that will enhance the productivity and layouts of their sites. A continuation of good design principles from Web Design 1 & Web Design 2 are also emphasized and evaluated. During this course students will complete the skills necessary to achieve Adobe Certifications in this and future classes. This course is a related course for High Tech Work-Based Learning (Co-op). Students should contact the CTE teacher for more information. College credit is available for all students earning a grade of B or above through an articulation agreement with Oakland Community College and Baker College.
English Department

81050/81051  English Essentials 9 A/B  Grade: 9  1.0 credit
Course Note: This course must be taken concurrently with English 9.
This two-semester course is designed to accelerate literacy skills rapidly by providing targeted and
differentiated instruction supporting the English 9 curriculum. Generally, students recommended for
this course are reading at least two grade levels below that expected of a ninth grade student as
identified by a district-approved diagnostic assessment.

81058/81059  Reading Intervention  Grades: 9-10  0.5 credit
Course Note: Must be taken concurrently with grade level English course. This course is offered only
to students identified as struggling readers based on a variety of assessment tools. Students earn
elective credit for the course.
Accelerated Adolescent Reading Initiative (AARI) is a one-semester course offering a unique
classroom experience emphasizing community building and literacy development. Students are
taught active reading skills to increase their reading comprehension with the goal of becoming grade
level readers who are better able to navigate content area literacy demands. The course emphasizes
small group instruction, meets students where they are, and accelerates reading development.

92070/92071  English 9 A/B  Grade: 9  1.0 credit
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit
requirement for English 9. The course is designed to increase reading, writing, speaking/listening,
language (grammar, vocabulary, spelling), and research skills as students interact with, and respond
to, a wide variety of literature and informational texts.

92130/92131  Honors English 9 AA/BB  Grade: 9  1.0 credit
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit
requirement for English 9. Intended for students demonstrating advanced reading, writing, and
interpretive skills, the course is designed to increase reading, writing, speaking/listening, language
(grammar, vocabulary, spelling), and research skills as students interact with, and respond to, a wide
variety of literature and informational texts. Honors classes address the grade level standards and
cover additional topics. Topics are examined in greater depth and are supported by texts of greater
complexity. Successful students leave Honors English 9 with the necessary skills to continue in the
Honors program and eventually enter AP or IB classes.

92080/92081  English 10 A/B  Grade: 10  1.0 credit
Prerequisite:   English 9
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit
requirement for English 10. The course builds on, and further develops, the reading, writing,
speaking/listening, language (grammar, vocabulary, spelling), and research skills acquired in English
9 as students interact with, and respond to, a wide variety of literature and informational texts.

92132/92133  Honors English 10 AA/BB  Grade: 10  1.0 credit
Prerequisite:   English 9
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit
requirement for English 10. Intended for students demonstrating advanced reading, writing, and
interpretive skills, the course is designed to increase the reading, writing, speaking/listening,
language (grammar, vocabulary, spelling), and research skills acquired in English 9 as students
interact with, and respond to, a wide variety of literature and informational texts. Honors classes
address the grade level standards and cover additional topics. Topics are examined in greater depth
and are supported by texts of greater complexity. Successful students leave Honors English 10 with the necessary skills to continue in the Honors program and eventually enter AP or IB classes.

92082/92083  **English 11 A/B**  
**Grade:** 11  
**1.0 credit**  
**Prerequisite:**  **English 10**  
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 11. The course builds on, and further develops, the reading, writing, speaking/listening, language (grammar, vocabulary, spelling), and research skills acquired in English 10 as students interact with, and respond to, a wide variety of literature and informational texts.

92134/92135  **Honors English 11 AA/BB**  
**Grade:** 11  
**1.0 credit**  
**Prerequisite:**  **English 10**  
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 11. Intended for students demonstrating advanced reading, writing, and interpretive skills, the course is designed to increase the reading, writing, speaking/listening, language (grammar, vocabulary, spelling), and research skills acquired in English 10 as students interact with, and respond to, a wide variety of literature and informational texts. Honors classes address the grade level standards and cover additional topics. Topics are examined in greater depth and are supported by texts of greater complexity. Successful students leave Honors English 11 with the necessary skills to enter AP or IB classes.

92102/92103  **English 12 A/B**  
**Prerequisite:**  **Completion of English 9, 10 and 11**  
This two-semester course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 12. The course builds on, and further develops, the reading, writing, speaking/listening, language (grammar, vocabulary, spelling), and research skills acquired in English 11 as students interact with, and respond to, a wide variety of literature and informational texts.

92010/92011  **AP English Language & Composition AA/BB**  
**Grades:** 11-12  
**1.0 credit**  
**Course Note:**  **Completion of a summer reading and writing assignment is required.**  
Advanced Placement English provides college-level experiences in language, nonfiction, visual literacy, and composition in a demanding program involving extensive reading, writing, and discussion. The course covers a College Board recommended curriculum designed to develop skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and skilled writers who can compose for a variety of purposes. At the end of the course, students have the option of taking the national Advanced Placement English Language examination for possible college credit.

92000/92001  **AP English Literature & Composition AA/BB**  
**Grade:** 12  
**1.0 credit**  
**Course Note:**  **Completion of a summer reading and writing assignment is required.**  
Advanced Placement English provides college-level experiences in language, literature, and composition in a demanding program involving extensive reading, writing, and discussion. The course covers the College Board recommended curriculum and emphasizes the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for readers. At the end of the course, students have the option of taking the national Advanced Placement English Literature examination for possible college credit.

82200/82201  **IB English HL 1 AA/BB**  
**Grade:** 11  
**1.0 credit**  
**Course Note:**  **Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.**
82202/82203  IB English HL 2 AA/BB  Grade: 11  1.0 credit

*Course Note:* Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

92202  American Cultural Studies  Grades: 11-12  0.5 credit

*Course Note:* Only offered at Walled Lake Northern. Must be taken concurrently with grade level English course.

In this semester course students gain a deeper understanding of American diversity and cultural values that impact our social and cultural experience. By examining subgroups of the American experience, students gain a better understanding of others and themselves. The topics include the following: class, race, gender, age, regional differences, different religious experiences, mental health, family as an institution, technology, and political attitudes in America.

92100  Forensics English  Grades: 9-12  0.5 credit

*Course Note:* Must be taken concurrently with grade level English course.

This semester course introduces students to the art of public speaking and the oral interpretation of literature. Students write, edit, analyze, perform, and critique all of the elements involved in successful public communication. Students need not join the Forensics Team to be enrolled in the class. THIS COURSE MAY BE REPEATED FOR CREDIT.

92170  Intermediate Writing Workshop  Grades: 10-12  0.5 credit

*Course Note:* Must be taken concurrently with grade level English course. Only offered at Walled Lake Central and Walled Lake Western.

Students in this semester course are expected to work independently on a variety of writing tasks. Designed to help students improve writing and grammar skills, the primary goals of the class are to help students develop a clear, concise writing style and become more familiar with grammar. Areas such as verb agreement, pronoun agreement, punctuation, apostrophe usage, and other grammatical units are covered thoroughly. This class is meant to be a nonfiction writing class, not a creative writing class. Students write papers both in and out of class.

92180  Journalism  Grades: 9-12  0.5 credit

*Course Note:* Must be taken concurrently with grade level English course.

This semester course introduces students to the operation of a newspaper, and includes the development of interviewing skills, understanding of related laws/ethics, news writing, editorial writing, feature writing, sports writing, headlining, copy-reading, page layout, and photography/graphics. Students are required to write for the school newspaper.

92190  Literature on Film  Grades: 10-12  0.5 credit

*Course Note:* Must be taken concurrently with grade level English course. Only offered at Walled Lake Northern and Walled Lake Western.

This semester course develops the reading, writing, speaking/listening, and analytic skills necessary to appreciate a variety of classic texts as students compare original works to interpretations by filmmakers.
92200  Media Literacy  
**Course Note:**  *Must be taken concurrently with grade level English course. Only offered at Walled Lake Northern and Walled L*  
This semester course develops students’ literacy skills as they examine the impact of media on American society. The media teach all Americans lessons without their permission. Media literacy takes a look at those lessons and how to undo them. In the process, students become active viewers instead of passive consumers. The class dissects advertising, television (including YouTube and reality TV), music, shopping, food, movies, violence, video games, the news, and more.

92210  Mythology  
**Course Note:**  *Must be taken concurrently with grade level English course.*  
This semester course emphasizes the study of myths (including those of ancient Greece and Rome). As students explore myths, they make connections across time, place, and literature and learn how myths affect the way humans think and what they believe. Students write original myths and are expected to memorize extensively, read widely, and write about their learning.

92220/92221  Newspaper A/B  
**Prerequisite:**  *Journalism or counselor override.*  
**Course Note:**  *Must be taken concurrently with grade level English course.*  
This course is for the self-disciplined, advanced writer who has learned the basics of grammar and composition. The course is designed to deepen the writing skills acquired in *Journalism*. In this class, students use varied syntax. They organize ideas, concepts, and information through formatting, data tables, and computer graphics. Students write frequently, developing topics thoroughly by selecting the most significant and relevant facts, quotations, or other information, and use precise language and domain-specific vocabulary. *Class members comprise the staff of the school newspaper and are responsible for publishing and managing online publications. THIS COURSE MAY BE REPEATED FOR CREDIT.* (Students may earn up to 1 English credit; elective credit thereafter. May not replace English 9, English 10, English 11, or English 12.).

92031  College Reading  
**Course Note:**  *Must be taken concurrently with English 11 or English 12. Only offered at Walled Lake Western.*  
This semester course improves and reinforces essential reading, study, and vocabulary skills. Students learn how to prepare for, and take, rigorous college-level exams, and develop a wider, more efficient vocabulary. As they are exposed to a diverse selection of essays, students improve their abilities to read and critically analyze nonfiction texts as they create specific and detailed notes. In addition, students read novels, biographies, and other texts related to a variety of topics about college and the world. Projects and presentations are two of the many ways that student learning is assessed.

92032  College Writing  
**Course Note:**  *Must be taken concurrently with grade level English course. Only offered at Walled Lake Central and Walled Lake Western.*  
Building on their basic understandings of the writing and research processes, this semester course further develops students’ essay writing and research skills. As students write personal and formal essays, they focus on effective pre-writing, strong thesis statements, introductions, conclusions, organizational structures, and the development of ideas as they use the writing process to prepare their writings for publication.
Communications 1
Grades: 9-12
0.5 credit

Course Note: Must be taken concurrently with grade level English course. Only offered at Walled Lake Western.

This semester course provides students with theory and practice in the principles of communication. Students develop their speaking, listening, and language skills as they become more effective and at ease in a variety of communication situations.

Communications 2
Grades: 9-12
0.5 credit

Prerequisite: Communications 1

Course Note: Must be taken concurrently with grade level English course. Only offered at Walled Lake Western.

This semester course builds on Communications 1 and provides students with additional tools to support the analysis and application of communication theories. Practice in specific speech activities such as discussion, public speaking, creative speaking, and interpersonal communication is emphasized.

Contemporary Novels
Grades: 11-12
0.5 credit

Course Note: Must be taken concurrently with grade level English course. Only offered at Walled Lake Northern and Walled Lake Western.

This semester course develops reading, writing, speaking, listening, and language skills using high-interest novels that address situations and issues that appeal to high school readers. Composition skills are emphasized.

Creative Writing
Grades: 11-12
0.5 credit

Course Note: Must be taken concurrently with grade level English course.

This semester course allows proficient student writers (those who already have the basics of grammar and composition in their writing toolboxes) to complete writing projects in the creative genres. Students experiment with a variety of genres, including the essay, short story, and poetry. Students are expected to share their writings with classmates and may be asked to enter at least one writing competition and/or submit one piece of writing for publication. Students are expected to read a variety of literary works to provide inspiration, examples of author’s craft, and knowledge that they can apply in their own writing.

FLEX English 9 A/B
Grade: 9
1.0 credit

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling.

This course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 9. The course is designed to increase reading, writing, speaking/listening, language (grammar, vocabulary, spelling), and research skills as students interact with, and respond to, a wide variety of literature and informational texts. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

FLEX English 10 A/B
Grade: 10
1.0 credit

Prerequisite: English 9

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.

This course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 10. Building on the skills developed in English 9, the course is designed to increase reading,
writing, language (grammar, vocabulary, spelling), and research skills as students interact with, and respond to, a wide variety of literature and informational texts. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

92300/92301  FLEX English 11 A/B  Grade: 11  1.0 credit
Prerequisite:  English 10
Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.

This course meets the State of Michigan's 1.0 Michigan Merit Curriculum credit requirement for English 11. Building on the skills developed in English 10, the course is designed to increase reading, writing, language (grammar, vocabulary, spelling), and research skills as students interact with, and respond to, a wide variety of literature and informational texts. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

92302/92303  FLEX English 12 A/B  Grade: 12  1.0 credit
Prerequisite:  English 9, 10, 11
Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.

This course meets the State of Michigan’s 1.0 Michigan Merit Curriculum credit requirement for English 12. Building on the skills developed in English 11, the course is designed to increase reading, writing, language (grammar, vocabulary, spelling), and research skills as students interact with, and respond to, a wide variety of literature and informational texts. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.
ESL Department

81020/81021  ESL Intro Language Development  
Grades: 9-12  
1.0 credit  
**Course Note:** Teacher Recommendation Required

*This course does not fulfill English graduation requirements.*

ESL Intro is designed for students whose formal school has been interrupted, who may be pre- or semi-literate in their native language, and who may need more time to acquire academic background knowledge as they adjust to the school and cultural environment. ESL 1A is a two-course block including Language Development and Reading & Academic Skills. Students will: participate in classroom activities and interact with others in the school and community through basic listening and speaking practice; use comprehensible pronunciation and appropriate conversational responses for interpersonal communication; use basic conventions and formats of written English, including grammatical conventions. Students new to the high school will receive orientation to the use of school offices, school policies & services, and student protocols. Students will learn basic school vocabulary and strategies for navigating in a new school and cultural environment.

81022/81023  ESL Intro Reading and Academic Skills  
Grades: 9-12  
1.0 credit  
**Course Note:** Teacher Recommendation Required

*This course does not fulfill English graduation requirements.*

ESL Intro is a two-course block designed for students whose formal school has been interrupted, who may be pre- or semi-literate in their native language, and who may need more time to acquire academic background knowledge as they adjust to the school and cultural environment. ESL 1 is a two-course block including Language Development and Reading & Academic Skills. Students will: recognize concepts of print literacy; demonstrate letter/sound recognition, decoding skills in reading and comprehension of learned vocabulary in oral and written forms; acquire survival and high frequency vocabulary; read controlled texts and demonstrate strategies as emergent readers. Students will also have opportunities for extensive, individualized reading practice.

81024/81025  ESL 1 Language Development  
Grades: 9-12  
1.0 credit  
**Course Note:** Teacher Recommendation Required

*This course does not fulfill English graduation requirements.*

Students will: actively participate in classroom activities, use spoken English and nonverbal communication in socially and culturally appropriate ways; use learned vocabulary in oral and written forms; use comprehensible pronunciation and appropriate conversational responses for interpersonal communication; acquire and apply basic English usage by identifying basic parts of speech and basic sentence structures; begin to show ability to construct meaning through written expression at the sentence and early paragraph level. ESL is a two-course block including Language Development and Reading & Academic Skills.

81026/81027  ESL 1 Reading and Academic Strategies  
Grades 9-12  
1.0 credit  
**Course Note:** Teacher Recommendation Required

*This course does not meet the English graduation requirement.*

Students will: increase comprehension of text by building vocabulary and grammatical awareness to develop concepts; identify main ideas and details in literature and informational text; read controlled texts and demonstrate reading strategies; apply reading strategies in social and academic contexts. Students will be introduced to textbook resources, common testing formats, and learning strategies. Students will also have opportunities for extensive, individualized reading practice. ESL is a two-course block including Language Development and Reading & Academic Skills.
81132/81133  ESL Study Skills for Content Areas  Grades: 9-12  1.0 credit
This course is designed for ELLs at beginning levels of English proficiency (ESL Intro and ESL 1) who lack sufficient academic preparation, subject area vocabulary, and background knowledge needed for full participation in subject area classes, e.g., social studies, science, and math. Students will build background knowledge and practice learning strategies needed to access general education core curriculum classes.

92090/92091  ESL 2 Language Development  Grades: 9-12  1.0 credit
Course Note:  Teacher Recommendation Required
Prerequisite:  Demonstrated competency at previous English language proficiency level.
This course focuses on: the use of English to interact successfully with peers and adults according to audience, purpose, and setting; grammatical conventions of English usage, particularly identification of all parts of speech and the use of verb tense to construct sentences; and controlled writing activities focusing on paragraph development using organizational strategies, including topic sentences and supporting details. Students will learn to focus on themes and ideas as a basis for writing. They will learn to follow the stages of the writing process, from generating ideas to drafting, revising, proofreading, editing, and publishing. ESL 2 is a two-course block including Language Development and Academic Skills & Reading Strategies.

92092/92093  ESL 2 Reading & Academic Strategies  Grades: 9-12  1.0 credit
Course Note:  Teacher Recommendation Required
Prerequisite:  Demonstrated competency at previous English language proficiency level.
This course focuses on: reading with developing fluency for multiple purposes including literature and informational text; application of reading strategies to texts with controlled reading levels in a variety of fiction and nonfiction genre; mastery of additional high-frequency vocabulary with increased recognition of vocabulary in academic contexts; and development of listening comprehension, note-taking skills, and self-expression for personal and academic purposes. Students will also have opportunities for extensive, individualized reading practice. ESL 2 is a two-course block including Language Development and Academic Skills & Reading Strategies.

92094/92095  ESL 3 Language Development  Grades: 9-12  1.0 credit
Course Note:  Teacher Recommendation Required
Prerequisite:  Demonstrated competency at previous English language proficiency level.
This course focuses on: grammatical conventions such as integrating verb tenses, clauses, passive voice, and indirect speech; contextualized writing tasks moving from the format of the paragraph to the construction of five-paragraph essays using thesis statements, supporting details, and introductory and concluding paragraphs; and further application of organizing principles in a variety of rhetorical forms of writing such as cause and effect, comparison and contrast, problem and solution, written summaries, and personal expression. Students will use the writing process to integrate grammar, vocabulary, and rhetorical objectives in theme-based academic writing. ESL 3 is a two-course block including Language Development and Academic Skills & Reading Strategies.
ESL 3 Reading & Academic Strategies  Grades: 9-12  1.0 credit
Course Note:  Teacher Recommendation Required
Prerequisite:  Demonstrated competency at previous English language proficiency level.
This course focuses on: development of additional reading strategies, applied to both literature and informational text, with emphasis on identifying mains ideas and supporting details, separating fact from opinion, outlining, predicting, identifying author’s purpose, describing characters and themes in modified selections of literature; development of vocabulary in theme-based contexts; listening for main ideas and organizing principles in academic lectures; and strategies for active participation in group projects, discussions, and individual presentations. Students will also have opportunities for extensive, individualized reading practice. ESL 3 is a two-course block including Language Development and Academic Skills & Reading Strategies.

ESL Content Area Clusters

ELL Algebra 1A/1B  Grades: 9-12  1.0 credit
This is a college prep course. Content includes integers, rational and real numbers, operations with polynomials to include factoring, linear equations, inequalities, rational equations, roots, radicals, and the quadratic formula. Students will also be graphing polynomial/rational functions.

ESL Chemistry A/B  Grades: 9-12  1.0 credit
Course Note:  This class may fulfill your fourth year Math
This course is a general study of the chemical and physical properties of matter. Topics of study include atomic structure, periodic table, chemical bonding, chemical reactions, acids and bases, water solutions, stoichiometry, oxidation and reduction reactions, nuclear chemistry, states of matter, and the gas laws and chemical kinetics.

ESL Biology A/B  Grades: 9-12  1.0 credit
Biology is the study of life. Coursework and laboratory exercises will cover ecology, biochemistry, cellular processes, genetics, evolution, plant and animal diversity, and human body systems.

ESL Economics  Grades: 9-12  0.5 credit
This course meets the State of Michigan’s .5 credit graduation requirement. This course is designed to explore microeconomic and macroeconomic concepts such as supply and demand, international trade, national debt/deficit, interest rates, outsourcing, unemployment, economic indicators, and the North American Free Trade Agreement. The course will also examine the production and consumptions of goods and services and the effects of a variable money supply on the economy. Both command and free market economies are examined. Financial literacy topics are also a part of this course.

ESL Civics  Grades: 9-12  0.5 credit
This semester course meets the State of Michigan’s .5 credit graduation requirement. Designed to introduce students to the basic functions of government, emphasis is placed on the United States federal government. The responsibilities of state, county, and local governments are also explored. This course is designed to promote responsible citizenship, stimulate interest in current events, encourage participation in government, promote understanding of the rights of individuals, and critically evaluate political ideologies. Students are required to acquire civic knowledge and analyze information. In the context of civics topics and issues, students develop content-specific literacy skills.
97202/97203  ESL U.S. History A/B  Grades: 10-12  1.0 credit
This course meets the State of Michigan’s 1.0 credit graduation requirement. This two-semester course begins in the last quarter of the 19th Century and asks students to deepen their understanding of how world events affect the contemporary United States. Introductory topics include European Immigration, Industrialism and Imperialism. The course continues through the end of the first semester with a study of the Roaring 20s, the Great Depression, and WWII. The second semester examines the Cold War, the Growth of Suburbia, Civil Rights, the Vietnam War, Watergate, Reaganomics, the Clinton Impeachment, and the wars in the Middle East. Throughout the course, students must demonstrate the ability to recall facts, analyze data, and construct persuasive essays on public policy issues.
Health & Physical Education Department

95100 Teen Health  Grades: 9-12  0.5 credit
Course Note: Public statute allows parents to excuse their student from specific reproductive health units.
This one semester course is required for graduation. The curriculum includes: total wellness, goal setting and decision making, stress and suicide, coping skills, diet and nutrition, substance use and abuse, stress and suicide, communication skills, healthy relationships, reproductive health, sexually transmitted infections, and HIV/AIDS education.

95101 FLEX Teen Health  Grades: 9-12  0.5 credit
Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling.
**Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

95060 Intro to Sport & Fitness  Grades: 9-12  0.5 credit
Course Note: Pre-requisite to all other Physical Education elective courses.
This one semester course is required for graduation and covers the State of Michigan Core Curriculum for high school physical education. The course will emphasize personal and lifelong fitness as well as the theory and application of a healthy lifestyle. It will also focus on cardiovascular and muscular endurance, muscular strength, flexibility, and body composition. Students will actively participate in the classroom, fitness center, gymnasium, pool, and on the athletic fields. They will be exposed to a variety of lifetime and team sports, as well as numerous fitness activities. The swim unit (10 hours) is a mandatory requirement for class credit.

95000/95001 Peak Performance & Conditioning A/B  Grades: 9-12  0.5 credit
Prerequisite: 95060 - Intro to Sport & Fitness
This one semester elective course will cover sport specific training, advanced strength training and applied advanced weight lifting principles.
*THIS COURSE MAY BE REPEATED FOR CREDIT.

95010/95011 Aerobics & Conditioning A/B  Grades: 9-12  0.5 credit
Prerequisite: 95060 - Intro to Sport & Fitness
This semester elective course will provide students with a variety of activities that promote cardiovascular fitness, muscular strength, muscular endurance, and flexibility. Such activities may include, but are not limited to: high/low floor aerobics, step aerobics, water aerobics, kickboxing, jumping rope, body sculpting, power-walking, jogging, yoga, Zumba and Pilates.
*THIS COURSE MAY BE REPEATED FOR CREDIT.
**Individual Sports A/B**  
**Prerequisite:** 95060 - Intro to Sport & Fitness  
*Prerequisite*: 95090/95091  
This one semester elective course is intended for students who enjoy recreational sports, individual sports, and physical activity in a non-competitive atmosphere. Activities in this class may include, but are not limited to: swimming, weight lifting, golf, tennis, badminton, archery, orienteering, table tennis, pickleball, and racquetball. Facility and equipment availability will determine specific activities to be covered during the class.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*

**Team Sports A/B**  
95030/95031  
**Prerequisite:** 95060 - Intro to Sport & Fitness  
*Prerequisite*: 95080/95081  
This one semester elective course is intended for students who enjoy competitive play through organized games and tournaments. Activities in this class may include, but are not limited to: floor hockey, flag football, softball, basketball, volleyball, team handball, speedball, soccer, rugby, and water polo. Facility and equipment availability will determine specific activities to be covered during the class.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*

**Lifeguard Training**  
**Prerequisite:** 95060 - Intro to Sport & Fitness, Students must be 15 years old on or before the final scheduled session of this course, be able to swim 300 yards continuously demonstrating breath control and rhythmic breathing (they can use front crawl, breaststroke or a combination of both but swimming on the back or side is not allowed), can tread water for 2 minutes using only the legs, and be able to retrieve a 10-pound brick from the bottom of the pool using a swimming approach with surface dive.  
This one semester elective course will provide training to students interested in acquiring or updating their American Red Cross Lifeguard Certifications. This course will provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. Students will have the opportunity to earn their American Red Cross Lifeguard Training, First Aid, AED, and CPR Certifications.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*

**Weight Training & Conditioning A/B**  
**Prerequisite:** 95060 - Intro to Sport & Fitness  
During this one semester elective course, students will complete a fitness program that includes cardiovascular/muscular endurance and upper body/lower body core strength training exercises. Students will also learn about proper nutrition, fitness room safety, and lifting techniques.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*

**Swimming A/B**  
**Prerequisite:** 95060 - Intro to Sport & Fitness  
This one semester elective course will teach students to swim using the elementary backstroke, sidestroke, front crawl, back crawl, breaststroke, and butterfly strokes. Turns, starts, diving, water safety, water sports, and water conditioning activities will also be covered in this course. Students will have the opportunity to earn the American Red Cross Learn-to Swim certification cards.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*

**Team Sports A/B**  
**Prerequisite:** 95060 - Intro to Sport & Fitness  
This one semester elective course is intended for students who enjoy structured competitive play through organized games and tournaments. Activities in this class may include, but are not limited to: floor hockey, flag football, softball, basketball, volleyball, team handball, speedball, soccer, rugby, and water polo. Facility and equipment availability will determine specific activities to be covered during the class.  
*THIS COURSE MAY BE REPEATED FOR CREDIT.*
Mathematics Department

81410/81411  E.S.P. Math Essentials A/B  Grades: 9-10  1.0 credit

Course Note:  Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only. Offered only at Walled Lake Western.

The Emerging Scholars Program is a two-hour block academic program designed to provide students with a strong mathematical foundation and exposure to the power of mathematical thinking and algebraic reasoning. In addition, the Emerging Scholars Program works to establish a culture of excellence among its students – promoting the values of hard work and responsibility and fostering a powerful sense of community.

81040/81041  Algebra 1 Essentials A/B  Grades: 9-12  1.0 credit

Course Note:  Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only.

This elective course is designed to provide students with additional support and reinforce the instruction from the current Algebra 1 class. The teacher will have the opportunity to individualize instruction as needed, in order to help students develop proficiency in the standards they have not previously mastered. Students receive elective credit only for this course and should take it concurrently with the Algebra 1 mathematics course.

81042/81043  Geometry Essentials A/B  Grades: 9-12  1.0 credit

Course Note:  Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only.

This elective course is designed to provide students with additional support in order to reinforce the instruction from the current Geometry class. The teacher will have the opportunity to individualize instruction as needed, in order to help students develop proficiency in the standards they have not previously mastered. Students receive elective credit only for this course and should take it concurrently with the Geometry mathematics course.

93200/93201  FLEX Pre-Algebra  Grades: 9-12  1.0 credit

Course Note:  Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This two-semester preparation course for students on the verge of Algebra 1 offers rational number theory (including comparing and ordering on a number line), drawing conclusions from statistical data, ratios, proportions and percentages, spatial thinking (including congruency, translations, and symmetry), sequences and patterns, and polynomials and functions. Learning strategies include writing algebraic expressions, generating patterns, and problem simulations. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.
93000/93001 **Algebra 1A/1B**

Grades: 9-11

1.0 credit

This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. Students build their understanding of the following topics: linear equations and functions, systems of equations, exponential functions, polynomial and radical expressions, and quadratic functions and equations.

93240/93241 **Algebra 1A/1B ESP**

Grades: 9-10

1.0 credit

**Course Note: Offered only at Walled Lake Western.**

This is a two hour block college prep course. The course and content builds upon the techniques and ideas introduced in E.S.P. Math 1A/1B. These topics include integers, rational and real numbers, operations with polynomials to include factoring, linear equations, inequalities, rational equations, roots, radicals, and the quadratic formula. Students will also be graphing polynomial/rational functions. As in E.S.P. Math 1A/1B, this course continues to build a culture of excellence among its students – promoting the values of hard work and responsibility and fostering a powerful sense of community.

93202/93203 **ELL Algebra 1A/1B**

Grades: 9-12

1.0 credit

This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. Students build their understanding of the following topics: linear equations and functions, systems of equations, exponential functions, polynomial and radical expressions, and focus on quadratic functions and equations. This course is taught with the English Language Learning students.

93002/93003 **FLEX Algebra 1A/1B**

Grades: 9-12

1.0 credit

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This is a college prep course. Content includes integers, rational and real numbers, operations with polynomials to include factoring, linear equations, inequalities, rational equations, roots, radicals, and the quadratic formula. Students will also be graphing polynomial/rational functions.

**Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

93050/93051 **Geometry A/B**

Grades: 9-12

1.0 credit

**Prerequisite:** Algebra 1

This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. The course begins by establishing definitions and familiarizing students with the language of geometry. Postulates and Theorems are introduced and students learn to develop formal proofs. Students then build their understanding of the following topics: transformational geometry, triangles and right triangle trigonometry, quadrilaterals and other polygons, circles, and three-dimensional figures.

93070/93071 **Calculus Path Geometry AA/BB**

Grades: 9-12

1.0 credit

**Prerequisite:** Algebra 1 or 9th graders in the upper 25% of their cohort

Calculus Path Geometry is designed to allow ninth grade students to accelerate in math and prepare them to take AP Calculus senior year. The course includes all of the content of the current Geometry course (see 93050/51), plus additional content from Algebra. The next course in the sequence is Calculus Path Algebra 2.
93052/93053  FLEX Geometry A/B  
Grades: 9-12  
1.0 credit  
Prerequisite: Algebra 1  

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. 
This is a one year course in Geometry in the college-prep sequence. The course begins by establishing definitions and familiarizing students with the language of geometry. Postulates and theorems are introduced and students learn to write formal proofs. Topics covered include triangles, quadrilaterals, circles, area of plane figures, area and volume of solid figures, and coordinate geometry. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

93004/93005  FLEX Algebra 2A/2B  
Grades: 10-12  
1.0 credit  
Prerequisite: Algebra 1 and Geometry  

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. 
This is a one year course in Algebra 2. This course builds upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students’ repertoire of mathematics. Instruction will focus on strengthening understanding of exponential, logarithmic and rational functions. Students will also extend their knowledge of probability. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

93010/93011  Algebra 2A/2B  
Grades: 9-12  
1.0 credit  
Prerequisite: Algebra 1 and Geometry  

This is a one year course in Algebra 2. This course builds upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students’ repertoire of mathematics. This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. Students build their understanding of the following topics: probability and statistics, sequences and series, polynomial functions and equations, exponential and logarithmic functions, rational and radical functions, transformations, and trigonometric functions.

93012/93013  Algebra 2A1/2A2  
Grades: 10-12  
1.0 credit  
Prerequisite: Algebra 1 and Geometry  

This is the first year of a two year course in Algebra 2. This course builds upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students’ repertoire of mathematics. This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. Students build their understanding of the following topics: linear functions, linear systems, matrices, and quadratic functions.
93014/93015  **Algebra 2B1/2B2**  Grades: 10-12  1.0 credit  
**Prerequisite:**  Algebra 1, Geometry, Algebra 2A  
This is the second year of a two year course in Algebra 2. This course builds upon the concepts taught in Algebra 1, Geometry, and Algebra 2A while adding new concepts to the students’ repertoire of mathematics. This course develops an understanding of mathematical concepts and procedural skills using a variety of instructional activities including explorations, problem solving, and communication of reasoning. Students build their understanding of the following topics: probability, polynomial functions, exponential and logarithmic functions, rational functions, transformations, and sequences and series.

93062/93063  **Calculus Path Algebra 2AA/2BB**  Grades: 9-12  1.0 credit  
**Prerequisite:**  Calculus Path Geometry (recommended), or Geometry and Algebra 1  
Calculus Path Algebra 2 is the second course in the accelerated series that prepares students to take AP Calculus in their senior year. The course includes all of the content of the current Algebra 2 course (see 93010/11), plus additional topics. The next course in the sequence is Honors Pre-Calculus.

93100/93101  **Honors Pre-Calculus AA/BB**  Grades: 10-11  1.0 credit  
**Prerequisite:**  Algebra 2  
This course provides preparation for AP Calculus. Topics studied include power, polynomial and rational functions, exponential and logarithmic functions, systems and matrices, sequence and series, trigonometric functions and identities, conic sections and parametric equations, polar coordinates and complex numbers, vectors, and limits and derivatives.

93150/93151  **Pre-Calculus A/B**  Grades: 10-12  1.0 credit  
**Prerequisite:**  Algebra 2  
This course provides a preparation for college courses in mathematics. Topics studied include power, polynomial and rational functions, exponential and logarithmic functions, systems and matrices, conic sections and parametric equations, trigonometric functions and identities, polar coordinates and complex numbers, sequence and series, and vectors.

93152/93153  **FLEX Pre-Calculus A/B**  Grades: 10-12  1.0 credit  
**Prerequisite:**  Algebra 1, Geometry, and Algebra 2  
**Course Note:**  *Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.  
This course provides a preparation for college courses in mathematics. Topics covered include, polynomial functions, logarithmic and exponential functions, as well as a continued study of matrices, conic sections, graphing techniques and inferential statistics. Trigonometric subjects covered include circular functions and their graphs, identities and equations, solving right and oblique triangles, and trigonometric inverses. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

93170/93171  **PSEO Math AA/BB (Dual Enrollment)**  Grades: 11-12  1.0 credit  
**Prerequisite:**  AP Calculus or AP Statistics  
**Course Note:**  *Students must have exhausted math curriculum at the high school. Paperwork must be on file with your counselor before registering for the college course.*  
High school students can be considered eligible to take college courses in Michigan public or private degree-granting institutions if they meet state eligibility guidelines. Eligible charges to the district may include tuition, mandatory course or material fees, and registration fees. For more information visit the following link [http://www.michigan.gov/mde/0,1607,7-140-6530_40085---,00.html](http://www.michigan.gov/mde/0,1607,7-140-6530_40085---,00.html)
**93160/93161 Prob/Stat A/B**  
*Grades: 11-12*  
0.5 credit  
Students will examine several mathematical concepts throughout this course. Probability and Statistics topics covered include data analysis, sampling techniques, probability properties, normal distribution, correlation and probability distributions. Although the context of the examples and exercises is sports related, the primary focus of the class is to teach students the basic principles of statistical reasoning.

**93132 Trigonometry A**  
*Grades: 11-12*  
0.5 credit  
**Prerequisite:** Algebra 2  
Students will examine several mathematical concepts throughout this course. Topics covered include trigonometric functions and their graphs, identities and equations, solving right and oblique triangles, circular, inverse, exponential and logarithmic functions, vectors, polar and parametric equations and graphs.

**93034/93035 Integrated Advanced Mathematical Studies A/B**  
*Grades: 10-12*  
1.0 credit  
**Prerequisite:** Algebra 2  
**Course Note:** Offered only at Walled Lake Central and Walled Lake Northern.  
This year-long course focuses on using mathematical concepts as applied to contexts related to other subjects being studied, to real-world occurrences, and topics related to home, work and leisure situations. Topics include: number and algebra, sets, logic and probability, functions, geometry and trigonometry, statistics, introductory differential calculus, and financial mathematics.

**82300/82301 IB Mathematical Studies SL AA/BB**  
*Grades: 10-12*  
1.0 credit  
**Prerequisite:** Algebra 2  
**Course Note:** Only offered at Walled Lake Western. *See the IB Course section of the Program of Studies beginning on page 44.*

**82310/82311 IB Math SL1 AA/BB**  
*Grade: 11*  
1.0 credit  
**Course Note:** Only offered at Walled Lake Western. *See the IB Course section of the Program of Studies beginning on page 44.*

**82312/82313 IB Math SL2 AA/BB**  
*Grade: 12*  
1.0 credit  
**Course Note:** Only offered at Walled Lake Western. *See the IB Course section of the Program of Studies beginning on page 44.*

**82320/82321 IB Math HL 1 AA/BB**  
*Grade: 11*  
1.0 credit  
**Course Note:** Only offered at Walled Lake Western. *See the IB Course section of the Program of Studies beginning on page 44.*

**82322/82323 IB Math HL 2 AA/BB**  
*Grade: 12*  
1.0 credit  
**Course Note:** Only offered at Walled Lake Western. *See the IB Course section of the Program of Studies beginning on page 44.*

**93022/93023 AP Statistics AA/BB**  
*Grades: 10-12*  
1.0 credit  
**Prerequisite:** Algebra 2  
**Course Note:** Completion of a summer homework assignment is required for this class.  
Statistics is the science of collecting, analyzing, and drawing conclusions from data. During the course, we will cover four main topics in preparation for the AP exam: Data Collection and Exploratory Data Analysis (including graphical displays of data, measures of central tendencies of data, bivariate data and frequency tables), Probability (including data distributions), and Statistical Inference (including strategies to test hypotheses and test for significance at various levels of confidence).
93020/93021 AP Calculus AB AA/BB Grades: 11-12 1.0 credit
Prerequisite: Pre-Calculus
Course Note: Completion of a summer homework assignment is required for this class.
This course will cover limits and differential calculus of elementary functions, composite functions, trigonometric functions, logarithmic, exponential and implicitly defined derivatives. Integration techniques and applications of derivatives and integrals will also be covered. At the completion of this class, the student will have the option of taking the AP examination in Calculus A/B.

93024/93025 AP Calculus BC AA/BB Grades: 11-12 1.0 credit
Prerequisite: Pre-Calculus or Honors Pre-Calculus (highly recommended)
Course Note: Completion of a summer homework assignment is required for this class.
This course will cover limits and differential calculus of elementary functions, composite functions, trigonometric functions, parametric, vector and polar functions, logarithmic, exponential and implicitly define derivatives. Polynomial approximations and series, integration techniques and applications of derivatives and integrals will also be covered. At the completion of this class, the student will have the option of taking the AP examination in Calculus B/C.

The Path to AP or IB Calculus
As a result of a change to the state of Michigan mathematics standards in grades K–eight, each grade level possesses unique, pivotal content. The ideas in each grade level course build on each other without overlap. Because a solid foundation in mathematics is essential to long-term success, skipping entire math courses is no longer a viable option for most students.

In order to take college-level Calculus in high school, students must begin Pre-Calculus no later than their junior year.

To allow for this opportunity, we offer a sequence of courses that incorporates Algebra 1 content in 8th, 9th, and 10th grade courses.

This sequence of courses is the Calculus Path and is shown in the right column in the chart below.

To enter this path, students need to be successful throughout middle school and in particular in the 8th grade math course.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Traditional Secondary Math Courses</th>
<th>CALCULUS Path Math Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>8th Math-Course 3</td>
<td>8th Math-Course 3</td>
</tr>
<tr>
<td>9</td>
<td>Algebra 1</td>
<td>Calculus Path Geometry</td>
</tr>
<tr>
<td>10</td>
<td>Geometry</td>
<td>Calculus Path Algebra 2</td>
</tr>
<tr>
<td>11</td>
<td>Algebra 2</td>
<td>Honor Pre-Calculus or IB Math SL/HL 1</td>
</tr>
</tbody>
</table>

Frequently Asked Questions
How does my student qualify and enter the Calculus Path? Strong student performance on multiple measures will be used to determine eligibility. These measures include State of Michigan Assessment, i-Ready online diagnostic, end of course exam, other standardized assessments.

What can I do to support my student to prepare for this opportunity? Students should develop good patterns for success in the middle school math courses. This includes productive and thoughtful involvement in classroom activities and thorough preparation for classroom assessments.

If my student enters the Calculus Path, are they skipping Algebra 1? The content of Algebra 1 will be incorporated into three courses, 8th Grade Math, Geometry Calculus Path, and Algebra 2 Calculus Path.

Must my student choose the Calculus Path if qualified? The Calculus Path is an option for qualified math students who are interested in taking college Calculus in high school. To do so, students will need to take more demanding math courses. Qualifying does not require enrollment.

When will I find out if my student is taking the Calculus Path? Students will be notified after the completion of 8th Grade Math.
Miscellaneous Department

81410/81411  F.S.P. Math A/B  Grades: 9-10  1.0 credit
Course Note: Only offered at Walled Lake Western. Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only.

The Emerging Scholars Program is a two-hour block academic program designed to provide students with a strong mathematical foundation and exposure to the power of mathematical thinking and algebraic reasoning. In addition, the Emerging Scholars Program works to establish a culture of excellence among its students – promoting the values of hard work and responsibility and fostering a powerful sense of community.

81040/81041  Algebra 1 Essentials A/B  Grades: 9-12  1.0 credit
Course Note: Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only.

This elective course is designed to provide students with additional support and reinforce the instruction from the current Algebra 1 class. Due to the small class size, the teacher will have the opportunity to individualize instruction as needed, in order to help students develop proficiency in the benchmarks they have not previously mastered. Students receive elective credit only for this course and should take it concurrently with the Algebra 1 mathematics course.

81042/81043  Geometry Essentials A/B  Grades: 9-12  1.0 credit
Course Note: Student placement in this course is based on previous year’s Math performance and teacher recommendation. If enrollment exceeds course capacity, a selection process will be used to determine placement. This course is offered as elective credit only.

This elective course is designed to provide students with additional support in order to reinforce the instruction from the current Geometry class. Due to the small class size for this course, the teacher will have the opportunity to individualize instruction as needed, in order to help students develop proficiency in the benchmarks they have not previously mastered. Students receive elective credit only for this course and should take it concurrently with the Geometry mathematics course.

82800  Theory of Knowledge 1  Grades: 11-12  0.5 credit
Course Note: Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

82801  Theory of Knowledge 2  Grade: 11-12  0.5 credit
Course Note: Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

81140/81141  Yearbook A/B  Grades: 9-12  1.0 credit
Course Note: If enrollment exceeds capacity a selection process will be used to determine placement. Students must have a completed application on file.

Students begin the year working with budget planning and advertising sales in order to fund their work. Students learn interviewing, feature writing, caption writing, and publication related law. They also learn the basics of layout/design and digital photography. These skills are developed throughout the year as students learn and use different computer programs to produce the book. Students will participate in advertisement sales. Students’ writing and design will be evaluated and revised by editorial staff and the advisor. The yearbook staff works closely with businesses, photography studios and a publishing company. Students can expect to work before or after school and some weekends in order to meet deadlines. THIS COURSE MAY BE REPEATED FOR CREDIT.
81120/81121  **Student Leadership A/B**  Grades: 11-12  1.0 credit  
*Course Note:*  **Special Circumstance:**  Teacher Recommendation  
A course in leadership designed to assist students in becoming effective leaders within the school community and beyond. Students will be encouraged to take charge of social activities for the school community and initiate community service projects benefiting people outside of the school community. Students will also be encouraged to take part in leadership activities sponsored by local, state and national leadership organizations.  **This class may be repeated for credit.**

81104/81105  **PALS A/B**  Grades: 11-12  1.0 credit  
*Course Note:* Application and teacher recommendation needed  
The Peer As Leaders (PALS) program is a general education course where students engage in a student-to-student mentoring model as part of the learning course requirement. The PALS are partnered with a Student Needing A Pal (SNAP). In this class they will learn to assist their SNAP in learning; understand human behavior and individual differences, effectively use problem solving skills, enhance communication skills, develop professional ethics, develop research skills, acquire and understanding and acceptance of and advocacy for diversity, and increase skills in collaborative team member and mentoring.  **THIS COURSE MAY BE REPEATED FOR CREDIT.**

81500/81501  **FLEX AM A/B**  Grades: 9-12  1.0 credit  
*Course Note:*  **Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.  **Transportation will not be provided.**  
A student may enroll in four (4) classes during the regular day and take two (2) of his/her classes outside the school day. A student must enroll in Edgenuity as the online provider or have building principal approval for other programs. Coursework must be done away from school and students must leave the school campus during this time. All courses must be completed during the regular school semester timelines and final exams will be completed at school, if applicable. For more information on Edgenuity course descriptions, visit [http://www.Edgenuity.com/](http://www.Edgenuity.com/)  **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

81504/81505  **FLEX PM A/B**  Grades: 9-12  1.0 credit  
*Course Note:*  **Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.  **Transportation will not be provided.**  
A student may enroll in four (4) classes during the regular day and take two (2) of his/her classes outside the school day. A student must enroll in Edgenuity as the online provider or have building principal approval for other programs. Coursework must be done away from school and students must leave the school campus during this time. All courses must be completed during the regular school semester timelines and final exams will be completed at school, if applicable. For more information on Edgenuity course descriptions, visit [http://www.Edgenuity.com/](http://www.Edgenuity.com/)  **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**
**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. Transportation will not be provided.

A one semester comprehensive study skills and strategies course designed for high school and middle school students. The learning environment has changed and Edgenuity has responded by creating a course designed with the online student in mind. The course covers important study skills topics such as time management, note taking, online learning environment skills, and strategies for remembering key information. Within the course, students receive real-world activities to further enhance learning, while utilizing newly learned skills and strategies in the Edgenuity learning environment. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. Transportation will not be provided.

Intended to be an upper level high school one-semester course, Career Skills introduces students to a wide variety of career choices, by exploring the skills and steps required in obtaining optimum professional and financial success. Units include, assessing one’s goals and attributes, exploring possible career opportunities and any accompanying skills necessary, preparing career documents (ex: cover letter, resume, applications, etc.), the job-search process, interviewing, work ethic, interpersonal relationships at work, professional communication, time management, and personal economic responsibilities. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**. Transportation will not be provided.

This one-semester course for upper-level high school students introduces them to the working world. Divided into four units, the course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. A self-assessment profile, a cover letter, and a resume are created and can be used by students in their educational or career portfolio. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**
**Science Department**

**96080/96081  Biology A/B**  
Grades: 9-12  
1.0 credit  
Biology is the study of life. Coursework and laboratory exercises will develop an understanding of the following topics: ecology, biochemistry, cellular processes, genetics, evolution, plant and animal diversity, and human body systems.

**96100/96101  Honors Biology AA/BB**  
Grades: 9-10  
1.0 credit  
The course includes all of the content of the Biology A/B course, at a greater depth and includes additional topics. Coursework and laboratory exercises will develop an understanding of the following topics: ecology, biochemistry, cellular processes, genetics, evolution, plant and animal diversity, and human body systems. This course is designed for students with an above average interest in science and stronger reading skills.

**96082/96083  FLEX Biology A/B**  
Grades: 9-12  
1.0 credit  
*Course Note:* **Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling.**  
Biology is the study of life. Coursework and exercises will develop an understanding of the following topics: ecology, biochemistry, cellular processes, genetics, evolution, plant and animal diversity, and human body systems. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

**96158/96159  ESL Biology A/B**  
Grades: 9-12  
1.0 credit  
*Course Note:* **Test results will determine placement in this course.**  
Biology is the study of life. Coursework and laboratory exercises will develop an understanding of the following topics: ecology, biochemistry, cellular processes, genetics, evolution, plant and animal diversity, and human body systems.

**96090/96091  Chemistry A/B**  
Prerequisite: **Biology & Algebra 1**  
Grades: 10-12  
1.0 credit  
This course is a general study of the chemical and physical properties of matter. Coursework and laboratory exercises will develop an understanding of the following topics: atomic structure, the periodic table, chemical bonding, chemical reactions, acids and bases, stoichiometry, oxidation and reduction reactions, nuclear chemistry, states of matter, and the gas laws and chemical kinetics.

**96092/96093  ESL Chemistry A/B**  
Grades: 9-12  
1.0 credit  
*Course Note:* **Test results will determine placement in this course.**  
This course is a general study of the chemical and physical properties of matter. Coursework and laboratory exercises will develop an understanding of the following topics: atomic structure, the periodic table, chemical bonding, chemical reactions, acids and bases, stoichiometry, oxidation and reduction reactions, nuclear chemistry, states of matter, and the gas laws and chemical kinetics.
96094/96095  FLEX Chemistry A/B  Grades: 10-12  1.0 credit
**Prerequisite:** Biology

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This course is a general study of the chemical and physical properties of matter. Topics of study include atomic structure, periodic table, chemical bonding, chemical reactions, acids and bases, water solutions, stoichiometry, oxidation and reduction reactions, nuclear chemistry, states of matter, and the gas laws and chemical kinetics.

**Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

96110/96111  Honors Chemistry AA/BB  Grades: 10-11  1.0 credit
**Prerequisite:** Biology & Algebra 1

**Course Note:** Strong math skills required.

Honors chemistry is an accelerated college preparatory course designed for students with a strong interest in science. Chemistry focuses on the physical and chemical properties of matter. Coursework and laboratory exercises will develop an understanding of the following topics: atomic structure, periodic table, chemical bonding, chemical reactions, acids and bases, water solutions, stoichiometry, oxidation and reduction reactions, nuclear chemistry, states of matter, and the gas laws and chemical kinetics. Mathematical and abstract reasoning is extensively applied throughout the course. The greater depth of coverage, the accelerated pace of the course and the more rigorous application of mathematical reasoning differentiates this course from Chemistry.

96160/96161  Physics A/B  Grades: 10-12  1.0 credit
**Prerequisite:** Algebra 1 & Biology

Physics is the study of the interaction between matter and energy. The course of study will develop an understanding of the following topics: accelerated motion, forces, work, power, mechanical energy, heat, electricity magnetism, sound, and light. Topics are developed conceptually through laboratory investigations and classroom demonstrations. Mathematical reasoning is used in the application of physics principles. An increased awareness and understanding of the physics encountered in everyday life will be an outcome of this course.

96164/96165  FLEX Physics A/B  Grades: 10-12  1.0 credit
**Prerequisite:** Biology and Algebra 1

**Course Note:** Course must be taken off campus. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

Physics is the study of the interaction between matter and energy. Course work and exercises will develop an understanding of the following topics: accelerated motion, forces, work, power, mechanical energy, heat, electricity magnetism, sound, and light. Mathematical reasoning is used in the application of physics principles. An increased awareness and understanding of the physics encountered in everyday life will be an outcome of this course. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.
96130/96131  **Honors Physics AA/BB**  
**Grades:** 10-12  
**1.0 credit**  
**Prerequisite:** Geometry & Biology  
**Course Note:** Strong math skills required. Offered only at Western and Central.  
Physics AA/BB is an in-depth study of the interaction between matter and energy designed for students with above average interest in science. The course of study will develop an understanding of the following topics: accelerated motion, forces, work, power, mechanical energy, heat, electricity, magnetism, sound, and light. Topics are developed conceptually through laboratory investigations and classroom demonstrations. Mathematical reasoning is extensively employed throughout the course. The greater depth of coverage, the accelerated pace of the course, and the more rigorous application of mathematical reasoning differentiates Physics AA/BB from Physics A/B.

96050/96051  **Earth Science A/B**  
**Grades:** 10-12  
**1.0 credit**  
**Prerequisite:** Biology  
**Course Note:** All 10th graders MUST have counselor approval to enroll in this course.  
Earth Science is a study of Earth systems and the universe. Earth Science surveys topics in Earth’s formation, water, crustal movements, the atmosphere, and the Earth in space. The skills of data collection, graphing, and interpretation are developed.

96120/96121  **Honors Earth Science AA/BB**  
**Grades:** 11-12  
**1.0 credit**  
**Prerequisite:** Biology & either Chemistry or Physics  
Honors Earth Science is a study of the Earth, its weather, atmosphere, oceans, and the universe to which it belongs. Topics include the Earth’s: formation-land and sea, sediments, crustal movements, and natural disasters; atmosphere-severe weather, climates and climate change, greenhouse effect, pollution and its effect on the atmosphere; oceans-ocean currents, ocean floor, ocean currents and their effect on climate change; place in space-our solar system, the life cycle of stars, and galaxies. The skills of data collection, graphing, and interpretation are developed. Evaluation emphasis is on student projects.

96054/96055  **FLEX Earth Science A/B**  
**Grades:** 10-12  
**1.0 credit**  
**Prerequisite:** Biology  
**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.  
Earth Science is a study of Earth systems and the universe. Earth Science surveys topics in Earth’s formation, water, crustal movements, the atmosphere, and the Earth in space. The skills of data collection, graphing, and interpretation are developed.  
**Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**
96056/96057  FLEX Environmental Science A/B  Grades: 11-12  1.0 credit

Prerequisite:  Biology

Course Note:  Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can only register for a maximum of 2 courses a semester through FLEX scheduling**.

This two-semester course encompasses six major units which cover many aspects of environmental science: Ecology; The Biosphere; The Land, Forests and Soil; The Water; Energy and Resources; and Societies and Policy. The course utilizes a two or three section lecture format to provide opportunities for mastery learning in smaller segments. Environmental Science contains Global Connections lessons which include unique activities that merge lesson material with real world issues pertaining to the environment. This course contains activities such as vocabulary, online content, journals, practice and homework, and skills lessons. Assessment questions in the form of a quiz follow each lesson and a summative exam follows each topic. A cumulative exam concludes the end of each semester. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

96000  Anatomy  Grades: 11-12  0.5 credit

Prerequisite:  Biology

Anatomy is designed for students with a desire to learn more about science and the human body. Studies will include dissections and in-depth examinations of body structures (anatomy) and their functions. Comparisons will be made with related animal specimens. Topics include an overview of the human body followed by in-depth examination of organ systems: skeletal, muscular, cardiovascular, lymphatic, immune, digestive, respiratory, excretory, and nervous. Emphasis will be placed on relating information to real-world applications in health, diseases, physical activity, sports, and related health/medical careers.

96001/96002  Anatomy & Physiology A/B  Grades: 11-12  1.0 credit

Prerequisite:  Biology

Course Note: Only offered at Central.

Anatomy and Physiology is a course designed for students with a desire to learn more about science and the human body. Studies will include a systematic examination of body structures (anatomy) and their functions (physiology). Comparisons will be made with related animal specimens. Topics include an overview of the human body, biochemistry, and cellular biology. Systems of study include skeletal, muscular, nervous, special senses, blood, cardiovascular, respiratory, integumentary, endocrine, lymphatic, digestive, excretory, and immune.

96003  Astronomy  Grades: 11-12  0.5 credit

Prerequisite:  Biology & either Chemistry or Physics

Astronomy is a class that investigates the universe. This class is divided into four sections: space exploration, the solar system, stars and galaxies, and the unique features of our universe. Topics include: dark matter, black holes and white holes, wormholes, types of galaxies, the life cycle of stars, the death of our sun, the Big Bang and the fate of the universe, the solar system, space exploration and the search for life in the universe.
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<tr>
<th>Course Code</th>
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<th>Grades</th>
<th>Credit</th>
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<tbody>
<tr>
<td>96060/96061</td>
<td>Environmental Science A/B</td>
<td>10-12</td>
<td>1.0</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>Biology</td>
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<tr>
<td><strong>Course Note:</strong></td>
<td>Students must be prepared to go outside to conduct field ecology investigations.</td>
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<tr>
<td>This course is designed to introduce students to Environmental Science. Students will learn about the Earth’s living and nonliving components, how humans and other species interact, and the environmental issues that challenge sustainability for all species on Earth. Emphasis will be placed on developing an understanding of how ecologists acquire knowledge and on building student “ecological literacy”. This is an excellent course for students interested in science and environment. This course prepares students for further science studies and/or Advanced Placement Environmental Science.</td>
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<th>Course Code</th>
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<tbody>
<tr>
<td>96070</td>
<td>Forensic Science 1</td>
<td>11-12</td>
<td>0.5</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>Biology &amp; either Chemistry or Physics</td>
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<tr>
<td>This course uses science for real-world problem-solving. Students will learn how to apply knowledge from various areas of science such as biology, earth science, physics, and chemistry to solve a variety of real-world problems and mysteries. The course develops scientific reasoning and inquiry skills. Students taking this course should have a strong interest in science and problem-solving.</td>
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<th>Course Code</th>
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<tbody>
<tr>
<td>96071</td>
<td>Forensic Science 2</td>
<td>11-12</td>
<td>0.5</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>Forensic Science 1</td>
<td></td>
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<tr>
<td>This course uses science for real-world problem-solving. Students will learn how to apply knowledge from various areas of science such as biology, physics, math and chemistry to solve a variety of real-world problems and mysteries. The course develops scientific reasoning and inquiry skills; and covers topics studied in Forensics 1 in greater depth, with the addition of several new topics. Students taking this course should have a strong background in science and math.</td>
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<tbody>
<tr>
<td>96172</td>
<td>Oceanography</td>
<td>11-12</td>
<td>0.5</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>Biology &amp; either Chemistry or Physics</td>
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<tr>
<td>Oceanography is a course that investigates our ocean environment. This course is divided into two general categories: the physical ocean and the diversity of life in the ocean. Topics include: coral reefs, animals of the marine environment, tides, tsunamis, ocean circulation, underwater mountains and volcanoes, ocean resources, beaches and shorelines, and life at the bottom of oceans.</td>
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<th>Course Code</th>
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<th>Grades</th>
<th>Credit</th>
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<tbody>
<tr>
<td>96010/96011</td>
<td>AP Biology AA/BB</td>
<td>11-12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>Biology and Chemistry</td>
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<td><strong>Course Note:</strong></td>
<td>Completion of a summer homework assignment is required for this class.</td>
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<tr>
<td>This is a college-level biology course that involves a review and extension of the principles studied in Biology. Topics include cell biology, biochemistry, genetics (extensions of Mendelian genetics as well as molecular genetics), evolution, plant anatomy and physiology, and vertebrate anatomy and physiology. This course prepares students for an optional Advanced Placement exam.</td>
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<th>Course Code</th>
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<th>Credit</th>
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<tbody>
<tr>
<td>82610/82611</td>
<td>IB Biology SL AA/BB</td>
<td>11-12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Course Note:</strong></td>
<td>Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.</td>
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<th>Course Code</th>
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<th>Credit</th>
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<tbody>
<tr>
<td>82620/82621</td>
<td>IB Biology HL 1 AA/BB</td>
<td>11</td>
<td>1.0</td>
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<tr>
<td><strong>Course Note:</strong></td>
<td>Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.</td>
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</tbody>
</table>
82622/82623  IB Biology HL 2 AA/BB  

**Course Note:**  Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

96030/96031  AP Environmental Science AA/BB  

**Prerequisite:**  Biology and Chemistry  

**Course Note:**  Completion of a summer homework assignment is required for this class.

AP Environmental Science is a college-level biology course. It is an interdisciplinary course that provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Topics include scientific analysis; earth systems; human population dynamics; renewable and nonrenewable resources; environmental quality; global changes and their consequences; environment and society; and choices for the future. Students must be prepared to participate in outdoor field activities. This course prepares students for an optional Advanced Placement exam.

82600/82601  IB Environmental Systems & Societies SL AA/BB  

**Course Note:**  Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

96020/96021  AP Chemistry AA/BB  

**Prerequisite:**  Chemistry & Algebra 2  

**Course Note:**  Strong math skills required. Completion of a summer homework assignment is required for this class.

AP Chemistry is a review and in-depth extension of the principles studied in chemistry. The course curriculum and lab work is equivalent to college-level Inorganic Chemistry. Areas of study include: stoichiometry, quantum theory and atomic structure, ionic and covalent bonding, reaction rates, equilibrium with respect to acid-based reactions, solubility and complex-ion reactions, thermodynamics, and electrochemistry. Experimental techniques and mathematical reasoning are further developed. This is an excellent course for college bound students who plan to pursue science related fields. This course prepares students for an optional Advanced Placement exam.

82630/82631  IB Chemistry SL 1AA/1BB  

**Course Note:**  Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

96044/45  AP Physics 1 AA/BB  

**Prerequisite:**  Biology & Strong Math Skills Required  

**Course Note:**  Offered at Northern only. Completion of a summer homework assignment is required for this class.

This course covers the same content as Honors Physics. AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific and critical thinking and reasoning skills. This course prepares students for an optional Advanced Placement exam for AP Physics 1.
AP Physics 2 AA/BB

Grades: 11-12  
1.0 credit

Prerequisite: Algebra 2 & Biology

Course Note: Completion of a summer homework assignment is required for this class.

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific and critical thinking and reasoning skills. This course prepares students for an optional Advanced Placement exam for AP Physics 2.

AP Physics C AA/BB

Grades: 11-12  
1.0 credit

Prerequisite: Pre-Calculus & Biology

Course Note: Completion of a summer homework assignment is required for this class.

This course is a continuation of Honors Physics, intended to reflect a calculus-based first year college-level course. This course is a review and in-depth extension of the topics studied in Honors Physics. Development of problem solving skills and theoretical reasoning are further developed into this course. Students successful in this course will be well prepared for the Advanced Placement exam.

IB Physics SL AA/BB

Grades: 11-12  
1.0 credit

Course Note: Offered at Walled Lake Western only. See the IB Course section of the Program of Studies beginning on page 44.

PSEO Science AA/BB

Grades: 11-12  
1.0 credit

(Dual Enrollment)

Course Note: Application must be on file with student's counselor before registering for college course.

High school students can be considered eligible to take college courses in Michigan public or private degree-granting institutions if they meet state eligibility guidelines. Eligible charges to the district may include tuition, mandatory course or material fees, and registration fees. For more information visit the following link [http://www.michigan.gov/mde/0,1607,7-140-6530_40085---,00.html](http://www.michigan.gov/mde/0,1607,7-140-6530_40085---,00.html)
# Social Studies Department

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Grade</th>
<th>Credit</th>
<th>Course Note</th>
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<tbody>
<tr>
<td>97060</td>
<td>Civics</td>
<td>Grade: 9</td>
<td>0.5 credit</td>
<td>This course meets the State of Michigan’s .5 credit graduation requirement. Designed to introduce the basic functions of government, emphasis is placed on the U.S. federal government. The responsibilities of state, county, and local governments are studied, as well. The course is designed to promote responsible citizenship, stimulate interest in current events, encourage participation in government, promote understanding of the rights of individuals, and critically evaluate political ideologies. Students are required to acquire civic knowledge, analyze information, and write/speak persuasively. In the context of civics topics and issues, students develop content-specific literacy skills.</td>
</tr>
<tr>
<td>97191</td>
<td>ESL Civics</td>
<td>Grades: 9-12</td>
<td>0.5 credit</td>
<td><strong>Course Note:</strong> Teacher recommendation required. This course meets the State of Michigan’s .5 credit graduation requirement. Designed to introduce the basic functions of government, emphasis is placed on the U.S. federal government. The responsibilities of state, county, and local governments are studied, as well. The course is designed to promote responsible citizenship, stimulate interest in current events, encourage participation in government, promote understanding of the rights of individuals, and critically evaluate political ideologies. Students are required to acquire civic knowledge, analyze information, and write/speak persuasively. In the context of civics topics and issues, students develop content-specific literacy skills.</td>
</tr>
<tr>
<td>97062</td>
<td>FLEX Civics</td>
<td>Grades: 9-12</td>
<td>0.5 credit</td>
<td><strong>Course Note:</strong> Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**. This course meets the State of Michigan’s .5 credit graduation requirement. Designed to introduce the basic functions of government, emphasis is placed on the U.S. federal government. The responsibilities of state, county, and local governments are also studied. This course is designed to promote responsible citizenship, stimulate interest in current events, encourage participation in government, promote understanding of the rights of individuals, and critically evaluate political ideologies. Students are required to acquire civic knowledge and analyze information. In the context of civics topics and issues, students develop content-specific literacy skills. ** Currently, the NCAA Clearinghouse does not recognize Edgenuity/ FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.</td>
</tr>
<tr>
<td>97090</td>
<td>Economics 9</td>
<td>Grade: 9</td>
<td>0.5 credit</td>
<td>This semester course meets the State of Michigan’s .5 credit graduation requirement and addresses microeconomic and macroeconomic concepts including: supply and demand, international trade, national debt/deficit, interest rates, outsourcing, unemployment, economic indicators, the North American Free Trade Agreement, the production and consumptions of goods and services, the effects of a variable money supply on the economy, and economic systems. Financial literacy topics are also addressed. In the context of economics-related topics and issues, students develop content-specific literacy skills.</td>
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97092  **ESL Economics**  
**Course Note:**  **Teacher recommendation required.**  
This semester course meets the State of Michigan’s .5 credit graduation requirement and addresses microeconomic and macroeconomic concepts including: supply and demand, international trade, national debt/deficit, interest rates, outsourcing, unemployment, economic indicators, the North American Free Trade Agreement, the production and consumptions of goods and services, the effects of a variable money supply on the economy, and economic systems. Financial literacy topics are also addressed. In the context of economics-related topics and issues, students develop content-specific literacy skills.

97093  **FLEX Economics**  
**Course Note:**  **Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling.**  
This semester course meets the State of Michigan’s .5 credit graduation requirement and addresses microeconomic and macroeconomic concepts including: supply and demand, international trade, national debt/deficit, interest rates, outsourcing, unemployment, economic indicators, the North American Free Trade Agreement, the production and consumptions of goods and services, the effects of a variable money supply on the economy, and economic systems. Financial literacy topics are also addressed. In the context of economics-related topics and issues, students develop content-specific literacy skills.  **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

97200/97201  **U.S. History A/B**  
**Grades:**  10-12  
**1.0 credit**  
This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement. It begins in the last quarter of the 19th Century and helps students deepen their understanding of how world events affect the contemporary United States. Topics include: European Immigration, Industrialism, Imperialism, Roaring 20s, Great Depression, WWII, Cold War, Growth of Suburbia, Civil Rights, Vietnam War, Watergate, Reaganomics, Clinton presidency, and wars in the Middle East. Throughout the course, students are expected to recall facts, analyze data, and construct argumentative essays on public policy issues. In the context of United States history and geography topics and issues, students develop content-specific literacy skills.

97202/97203  **ESL U.S. History A/B**  
**Grades:**  10-12  
**1.0 credit**  
**Course Note:**  **Teacher recommendation required.**  
This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement. It begins in the last quarter of the 19th Century and helps students deepen their understanding of how world events affect the contemporary United States. Topics include: European Immigration, Industrialism, Imperialism, Roaring 20s, Great Depression, WWII, Cold War, Growth of Suburbia, Civil Rights, Vietnam War, Watergate, Reaganomics, Clinton presidency, and wars in the Middle East. Throughout the course, students are expected to recall facts, analyze data, and construct argumentative essays on public policy issues. In the context of United States history and geography topics and issues, students develop content-specific literacy skills.
97204/97205  FLEX U.S. History A/B  Grades: 10-12  1.0 credit

Course Note:  Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.

This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement. It begins in the last quarter of the 19th Century and helps students deepen their understanding of how world events affect the contemporary United States. Topics include: European Immigration, Industrialism, Imperialism, Roaring 20s, Great Depression, WWII, Cold War, Growth of Suburbia, Civil Rights, Vietnam War, Watergate, Reaganomics, Clinton presidency, and wars in the Middle East. Throughout the course, students are expected to recall facts, analyze data, and construct argumentative essays on public policy issues. In the context of United States history and geography topics and issues, students develop content-specific literacy skills. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

97050/97051  AP U.S. History AA/BB  Grades: 10-12  1.0 credit

Course Note:  Completion of a summer homework assignment required.

This course meets the State of Michigan’s 1.0 credit graduation requirement. It may be taken by sophomores to meet the state requirement, or taken in grades 11or 12 as an elective. The Advanced Placement curriculum in United States History provides students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials related to United States history. This course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those found in full year introductory college courses. Students learn to assess historical materials, judge their relevance to a given interpretive problem, assess their reliability and importance, and weigh the evidence and interpretations presented in historical scholarship. Consequently, the course seeks to develop the skills necessary to arrive at conclusions on the basis of informed judgments and requires students to present reasons and evidence clearly and persuasively in essay format. At the end of the course, students have the option of taking the national Advanced Placement U. S. History examination for possible college credit.

97220/97221  World History A/B  Grades: 11-12  1.0 credit

This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement and introduces students to the study of world history in order to construct a common memory of where humankind has been and how history impacts present circumstances. Building upon foundations from middle school, the course begins with a period of expanding and intensified hemispheric interactions (circa 300 C.E.) and continues to the present. Within each historical era, students work at three interconnected spatial scales and study world history through several lenses: global, interregional, and regional. Using a global and comparative approach, students examine world events, processes, and interactions among the world’s peoples, cultures, societies, and environments. Interregional and regional scales provide students the opportunity for deep investigation of global trends. In the context of world history and geography topics and issues, students develop content-specific literacy skills.
97222/97223  ESL World History A/B  Grades: 11-12  1.0 credit

**Course Note:** Teacher recommendation required.
This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement and introduces students to the study of world history in order to construct a common memory of where humankind has been and how history impacts present circumstances. Building upon foundations from middle school, the course begins with a period of expanding and intensified hemispheric interactions (circa 300 C.E.) and continues to the present. Within each historical era, students work at three interconnected spatial scales and study world history through several lenses: global, interregional, and regional. Using a global and comparative approach, students examine world events, processes, and interactions among the world’s peoples, cultures, societies, and environments. Interregional and regional scales provide students the opportunity for deep investigation of global trends. In the context of world history and geography topics and issues, students develop content-specific literacy skills.

97224/97225  FLEX World History A/B  Grades: 11-12  1.0 credit

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.
This two-semester course meets the State of Michigan’s 1.0 credit graduation requirement and introduces students to the study of world history in order to construct a common memory of where humankind has been and how history impacts present circumstances. Building upon foundations from middle school, the course begins with a period of expanding and intensified hemispheric interactions (circa 300 C.E.) and continues to the present. Within each historical era, students work at three interconnected spatial scales and study world history through several lenses: global, interregional, and regional. Using a global and comparative approach, students examine world events, processes, and interactions among the world’s peoples, cultures, societies, and environments. Interregional and regional scales provide students the opportunity for deep investigation of global trends. In the context of world history and geography topics and issues, students develop content-specific literacy skills. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.

97052/97053  AP World History AA/BB  Grades: 11-12  1.0 credit

**Course Note:** Completion of a summer homework assignment is required.
This course meets the State of Michigan’s 1.0 credit graduation requirement and focuses on the developments of humanity, beginning at approximately 600 B.C.E., and ending in the present. Students develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. The course highlights the nature of changes in international frameworks, their causes and consequences, and comparisons between major societies. The course also builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. At the end of the course, students have the option of taking the national Advanced Placement World History examination for possible college credit.

82724/82725  IB Global Politics SL AA/BB  Grade: 11  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

82726/82727  IB Global Politics HL 1 AA/BB  Grade: 11  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.
Social Studies Electives

97010  America at War  Grades: 11-12  0.5 credit

Course Note: Ability to access online materials strongly suggested.
Closely aligned with the Michigan Grade Level Content Expectations for Social Studies and the Michigan High School Content Expectations for U. S. History and Geography, this semester course focuses on five questions: How has world geography led to war? How have economics resources led to war? How has politics led to war? How have cultural differences led to war? What is the role of leadership in war? Using these questions as a framework, students explore U. S. involvement in the wars of the 20th century. Students compare/contrast and explore themes that run through conflicts and develop a thesis about the causes of war. Based on their studies, students propose ways to reduce the conflicts that lead to war and develop content-specific literacy skills (including digital literacy skills).

97240  Big History  Grades 9-12  0.5 credit

“Big History” is a rigorous study of the past as a whole—not just human societies. The course is centered around eight large-scale and thematic aspects of the natural and social sciences and the humanities. It includes the study of Earth and the universe and tries to understand how human beings are connected to their environments and the billions of years of historical evolution that preceded human appearance on the planet. Beginning with the Big Bang cosmology, and continuing all the way through to the future, Big History is an attempt to put everything into perspective and is the result of a joint venture with the University of Michigan and the Bill and Melinda Gates Foundation.

97061  Civil War  Grades: 10-12  0.5 credit

Course Note: Ability to access online materials strongly suggested.
This semester course explores the Civil War by focusing on five questions tied to Michigan’s Social Studies Content Expectations: How did geography lead to war?; How did economics lead to war?; How did politics lead to war?; How did cultural differences lead to war?; and What role did leadership play in the war? With a significant use of technology, students develop a thesis about the causes of the Civil War and make connections to today’s world as they explore the timeless themes of the war. Students develop content-specific literacy skills (including digital literacy skills) as they study topics and issues related to the Civil War.

97211/97212  FLEX Geography A/B  Grades: 9-12  1.0 credit

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling**.
In this two-semester course, students examine aspects of geography in order to develop knowledge of major geographic locations, world economic activities, historical and cultural aspects of societies, and a comprehensive understanding of both geographical tools and themes. Major global regions studied include: North America, Latin America, Europe, Russia, Asia, Africa, Oceania and Antarctica. As students study geography, they also develop content-specific literacy skills. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.
97230/97231  FLEX Human Geography A/B  Grades: 9-12  1.0 credit

Course Note: Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. **Students can register for a maximum of 2 courses a semester through FLEX scheduling.**

This two-semester course builds on the National Geography Standards and focuses on human understanding of the world and human social organization. Students explore human-environment interaction, interactions among human systems, and are introduced to geographic concepts, theories, models, and methods. They develop geographic skills including map interpretation, data analysis data, and theories. Students apply geographic and historical skills while studying physical geography of the major world regions, population and migration patterns, and cultural and political systems. They also explore the development of modern civilization and human systems from the agricultural revolution to the technological revolution, the development of urban space, economic trends, global markets, and urban environments (including human movement, communications, global warming, and pollution). Throughout the course, students examine current global issues that impact today’s world, including challenges facing the modern world. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

97130  International Relations  Grades: 10-12  0.5 credit

In this semester course, students examine conflicts, challenges, trade and ethics as they apply to the 21st century world. Students examine the backgrounds of different regions in an attempt to explain why the world is the way that it is. This course is structured around current events as appropriate. As students study international relations, they develop content-specific literacy skills. Due to the flexible nature of the course, students use a variety of resources (e.g., newspapers, Internet sources, etc.) in lieu of a textbook. Research, debates, and projects are examples of assessments used to measure student progress.

97006  African American History  Grades: 10-12  0.5 credit

This semester course examines the political, social, economic, and cultural systems of the United States through the lens of African American history. Students explore selected events, conflicts, and leaders that have impacted the history of our country. Students improve their content area literacy skills in the context of historical issues and topics.

97056/97057  AP Microeconomics A/B  Grades: 11-12  1.0 credit

This course is designed to provide students with a learning experience similar to that obtained in a typical introductory college microeconomics course through an in-depth study of the principles of economics as they relate to the functions of individual decision-makers within the larger economic system. It emphasizes the nature and functions of product markets, factor markets, and the role of government in promoting greater efficiency and equity in the economy. At the end of the course, students have the option of taking the national Advanced Placement Microeconomics examination for possible college credit.

97150  Practical Law  Grades: 10-12  0.5 credit

This semester course provides practical information and problem solving opportunities that develop the knowledge and skills necessary for an understanding of our legal system. Students are introduced to the law and legal system, including the roles of citizens, legislators, attorneys, and judges. In addition, students learn about criminal law and torts. The criminal justice process is covered from investigation through conviction and sentencing. A variety of community resources are used (e.g., speakers, etc.). As students study the legal system, they also develop content-specific literacy skills in the context of law-related topics and issues.
97170  **Psychology 1**  
Grades: 10-12  
0.5 credit

This semester course introduces students to the social science of human behavior. Students engage in readings, discussions, film, and experiments to better understand the basic principles of psychology. As students study psychology, they develop content-specific literacy skills.

97171  **Psychology 2**  
Grades: 10-12  
0.5 credit

This semester course is designed to build on the knowledge acquired in Psychology I and emphasizes the study of personality theory, abnormal behavior, personality theory, mental illness, and developmental psychology. As students study these concepts, they develop content-specific literacy skills.

97172/97173  **FLEX Psychology A/B**  
Grades 11-12  
1.0 credit

*Course Note:* Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. **Students can register for a maximum of 2 courses a semester through FLEX scheduling**.

This class is designed to introduce the social science of human behavior to high school students. The emphasis of the course is on readings, discussions, film, and experiments that allow students to become acquainted with the basic principles of psychology. In addition, students study personality theory, abnormal behavior, mental illness, and developmental psychology. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

97030/97031  **AP Psychology AA/BB**  
Grades: 11-12  
1.0 credit

*Course Note:* Completion of a summer homework assignment may be required.

The purpose of the AP Psychology course is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. An AP course in psychology need not follow any specific college curriculum. Instead, the aim is to provide a learning experience equivalent to that obtained in most introductory college psychology courses. At the end of the course, students have the option of taking the national Advanced Placement Psychology examination for possible college credit.

82700/82701  **IB Psychology SL AA/BB**  
Grades: 11-12  
1.0 credit

*Course Note:* Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

97180  **Sociology**  
Grades: 10-12  
0.5 credit

This semester course introduces students to the study of society and human social behavior. The concepts of society, culture, sub-culture, status, roles, norms, values, conformity, deviance, social groups, and social class are introduced. Students study sociological methodology, social structure, social interaction, and contemporary social problems. Students participate in readings, short essay writing, classroom discussions, small group activities, film content analysis, and a public opinion survey as they develop content-specific literacy skills.
97070  Contemporary Social Problems (Sociology 2) Grades: 10-12 0.5 credit

**Prerequisite:** Sociology

This semester course builds on knowledge acquired in Sociology. The course requires students to apply the theoretical and conceptual knowledge gained in Sociology to a thorough, in-depth examination of contemporary social problems. Topics of study may include, but are not limited to: crime, poverty, alcoholism, spousal abuse, drug addiction, teenage pregnancy, school violence, campus rape, cigarette smoking, child abuse, gangs, prejudice and discrimination, hate crimes, families in crisis, cults, treatment of the mentally ill, implications for the “graying of America,” failures of mass media, and the future of public education. Students develop content-specific literacy skills as they study topics and issues related to the study of sociology.

97181  FLEX Sociology Grades: 11-12 0.5 credit

**Course Note:** Students doing FLEX courses do most of their work off campus, but they will be required to come to school for at least some of the online tests. Students can register for a maximum of 2 courses a semester through FLEX scheduling.

This course introduces students to the study of society and human social behavior. Society, culture, sub-culture, status, roles, norms, values, conformity, deviance, social groups, and social class are some of the concepts introduced. In the first quarter, students study an introduction to the subject of sociology, including sociological methodology. In the second quarter, students study social structure, social interaction, and contemporary social problems. Students participate in readings, short essay writing, film content analysis, and a public opinion survey. **Currently, the NCAA Clearinghouse does not recognize Edgenuity/FLEX courses for athletic eligibility. Please visit the NCAA Clearinghouse website for more information.**

97040/97041  AP U.S. Government AA/BB Grades: 10-12 1.0 credit

**Course Note:** Completion of a summer homework assignment may be required.

This is an introductory college course which examines and critiques the entire American political process. This class investigates both the broad concepts of American politics as well as specific case studies. Students identify and explain the key institutions, groups, and ideologies that constitute the American political system. Further, students evaluate the role of the national government and its relationship to the concept of liberty in a pluralistic society. Discussions emphasize the changing political culture of American society and its effect on voting patterns, trends and the processes of government. Research includes critical elections in American History, recent political movements, the working of Congress, landmark court decisions, and the functions of the executive office. At the end of the course, students have the option of taking the national Advanced Placement United States Government and Politics examination for possible college credit.

97160/97161  PSEO Social Studies AA/BB (Dual Enrollment) Grades: 11-12 1.0 credit

**Course Note:** Application must be on file with student’s counselor before registering for college course.

High school students can be considered eligible to take college courses in Michigan public or private degree-granting institutions if they meet state eligibility guidelines. Eligible charges to the district may include tuition, mandatory course or material fees, and registration fees. For more information visit the following link [http://www.michigan.gov/mde/0,1607,7-140-6530_40085----,00.html](http://www.michigan.gov/mde/0,1607,7-140-6530_40085----,00.html)
## Special Services Department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Grades</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>98020/98021</td>
<td>Careers A/B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td><strong>Course Note:</strong></td>
<td>Resource Teacher Approval, IEP</td>
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<td></td>
<td>This course is designed for Special Services students to develop skills necessary to function effectively in the world of work. These skills will include job training readiness and communication skills. Activities will consist of vocational assessments and career awareness activities that will address his/her post-high school transition goals. Students will also investigate career opportunities in the community. This course may count as a social studies credit. This class is offered based on need. <strong>THIS COURSE MAY BE REPEATED FOR CREDIT.</strong></td>
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<tr>
<td>98070/98071</td>
<td>English Skills 1A/1B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td><strong>Course Note:</strong></td>
<td>Resource Teacher Approval, placement testing, IEP</td>
<td></td>
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<tr>
<td></td>
<td>English Skills 1-4 are courses for Special Services students having reading difficulties. This course is a systematic literacy intervention curriculum called “Language!” The program is designed to teach all the essential skills of reading, language, comprehension and composition in a systematic, cumulative and sequential curriculum. All skills are taught directly, applied and practiced. Note: English Skills may not meet the standards set by the State of Michigan for graduation with a diploma. <strong>THIS COURSE MAY BE REPEATED FOR CREDIT.</strong></td>
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<tr>
<td>98072/98073</td>
<td>English Skills 2A/2B</td>
<td>9-12</td>
<td>1.0</td>
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<td><strong>Course Note:</strong></td>
<td>Resource Teacher Approval, placement testing, IEP</td>
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<tr>
<td>98074/98075</td>
<td>English Skills 3A/3B</td>
<td>9-12</td>
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<td><strong>Course Note:</strong></td>
<td>Resource Teacher Approval, placement testing, IEP</td>
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<td></td>
<td>Only offered at Northern English Skills 1-4 are courses for Special Services students having reading difficulties. This course is a systematic literacy intervention curriculum called “Language!” The program is designed to teach all the essential skills of reading, language, comprehension and composition in a systematic, cumulative and sequential curriculum. All skills are taught directly, applied and practiced. Note: English Skills may not meet the standards set by the State of Michigan for graduation with a diploma. <strong>THIS COURSE MAY BE REPEATED FOR CREDIT.</strong></td>
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<tr>
<td>98076/98077</td>
<td>English Skills 4A/4B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td><strong>Course Note:</strong></td>
<td>Resource Teacher Approval, placement testing, IEP</td>
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</tbody>
</table>
98120/98121  Life Skills A/B  
**Course Note:** Resource Teacher Approval, IEP  
This course is designed for Special Services students to develop daily living skills necessary to function independently. This class will emphasize: Home economics, budgeting, shopping, recreation, interpersonal skills, and vocational activities. Field trips into the community will emphasize these skills. This course may count as a social studies credit. This class is offered based on need. **THIS COURSE MAY BE REPEATED FOR CREDIT.**

98150/98151  Learning Resource Center (LRC) Mathematics A/B  
**Course Note:** Special Circumstance: Resource Teacher Approval, IEP  
This mathematics course is designed for Special Services students who have not mastered the abilities to advance to general education math. LRC Math is a practical class that integrates the use of math in everyday life. Instruction will concentrate on mastering the use of money and budgeting, time telling, calculator skills, checkbook and check writing, as well as hands-on experiences that will prepare the student for real world situations.

98152/98153  Learning Resource Center (LRC) Pre-Algebra A/B  
**Course Note:** Resource Teacher Approval, IEP  
This mathematics course is designed for Special Service students who have not mastered the **PREREQUISITE** benchmarks necessary to be successful in Algebra 1. Instruction will concentrate on mastering the concepts in which the student is deficient as well as maintaining the proficiency on those concepts previously mastered. This class is offered based on need.

98180/98181  Learning Skills A/B  
**Corequisites:** If you take this course, you must also take 98181-Learning Skills B  
**Course Note:** Resource Teacher Approval, IEP  
The Learning Skills class is designed to provide students with academic and social support in both the general education and special education curriculums. Academic and social support is provided through individual educational plans which may include study, organizational, time management, critical thinking and “survival” skills, pre-vocational education and consumerism. **THIS COURSE MAY BE REPEATED FOR CREDIT.**

98201/98202  SNAPS A/B  
**Course Note:** Teacher recommendation required (per IEP)  
The Students-Need-A-Pal (SNAP) program is a general education course wherein students will learn to: understand human behavior and individual differences, effectively use problem solving skills, enhance communication skills, develop professional ethics, develop research skills, acquire an understanding and acceptance of and advocacy for diversity, and increase skills as a collaborative team member and mentor. The enrolling student engages in a student-to-student mentoring model as part of the learning course requirement. **THIS COURSE MAY BE REPEATED FOR CREDIT.**

98230/98231  Work Site Based Learning A/B  
**Course Note:** Resource Teacher Approval, IEP  
Special Services students may elect to earn Work Site Based Learning Credit for time they spend on a job beyond the school day. The goal of the program is to enhance transition experiences and to have an opportunity for credit recovery. Students are responsible for finding their own job. They must maintain weekly timesheets. The transition coordinator conducts monthly visits to the job-site. The employer is responsible for a formal evaluation each marking period. Students working 80 hours per semester may earn ½ credit and 1 credit for 160 hours.
## World Language Department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Language</th>
<th>Grades</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>99000/99001</td>
<td>French 1A/1B</td>
<td>9-12</td>
<td>1.0</td>
</tr>
<tr>
<td>99020/99021</td>
<td>German 1A/1B</td>
<td>9-12</td>
<td>1.0</td>
</tr>
<tr>
<td>99070/99071</td>
<td>Spanish 1A/1B</td>
<td>9-12</td>
<td>1.0</td>
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</tbody>
</table>

Through listening, speaking, reading, and writing, students have the opportunity to develop elementary communicative skills in the language studied. Materials used in the first level of an integrated program align with the District’s Benchmarks and the National Standards for teaching the French, German, and Spanish languages.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Language</th>
<th>Grades</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>99002/99003</td>
<td>French 2A/2B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>French 1A/1B</td>
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<tr>
<td>99023/99024</td>
<td>German 2A/2B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>German 1A/1B</td>
<td></td>
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<tr>
<td>99072/99073</td>
<td>Spanish 2A/2B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>Spanish 1A/1B</td>
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</table>

**Course Note:** Successful completion of Language 1 A/B, preferably with a final grade of C or better.

Through listening, speaking, reading, and writing, students review information learned during the first year of study. In addition, they have the opportunity to build upon and expand that level of knowledge. Materials used are the second level of an integrated program that aligns with the District’s Benchmarks and the National Standards for teaching the French, German, and Spanish languages.

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<thead>
<tr>
<th>Course Code</th>
<th>Language</th>
<th>Grades</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>99004/99005</td>
<td>French 3A/3B</td>
<td>9-12</td>
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<tr>
<td>Prerequisite:</td>
<td>French 2A/B</td>
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<tr>
<td>99025/99026</td>
<td>German 3A/3B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>German 2A/B</td>
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<tr>
<td>99074/99075</td>
<td>Spanish 3A/3B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>Spanish 2A/B</td>
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</table>

**Course Note:** Students should have completed Language 2 A/B, preferably with a final grade of C or better.

Through listening, speaking, reading, and writing, students review information learned during the second year of study. In addition, they have the opportunity to build upon and expand that level of knowledge. Materials used are the third level of an integrated program that align with the District’s Benchmarks and the National Standards for teaching the French, German, and Spanish languages.

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<tr>
<th>Course Code</th>
<th>Language</th>
<th>Grades</th>
<th>Credit</th>
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<tbody>
<tr>
<td>99006/99007</td>
<td>French 4A/4B</td>
<td>9-12</td>
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<tr>
<td>Prerequisite:</td>
<td>French 3A/B</td>
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<tr>
<td>99027/99028</td>
<td>German 4A/4B</td>
<td>9-12</td>
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<tr>
<td>Prerequisite:</td>
<td>German 3A/B</td>
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<td></td>
</tr>
<tr>
<td>99076/99077</td>
<td>Spanish 4A/4B</td>
<td>9-12</td>
<td>1.0</td>
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<tr>
<td>Prerequisite:</td>
<td>Spanish 3A/B</td>
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</tbody>
</table>

**Course Note:** Students should have completed Language 3 A/B, with a grade of C or better.

In their fourth year of high school language study, students are provided the opportunity to become involved in a variety of activities, with the ultimate goal of synthesizing what they have learned in the first three years of language study and expanding their listening, speaking, reading, and writing skills or ability in the language studied.
99010/99011 AP French Language and Culture AA/BB  Grades: 10-12  1.0 credit
**Prerequisite:** French 4A/B

99030/99031 AP German Language and Culture AA/BB  Grades: 10-12  1.0 credit
**Prerequisite:** German 4A/B

99080/99081 AP Spanish Language and Culture AA/BB  Grades: 10-12  1.0 credit
**Prerequisite:** Spanish 4A/B

**Course Note:** Students must have completed Language 4 A/B, preferably with a final grade of C or teacher recommendation. Completion of a summer homework assignment is required for this class.

Students who enroll in AP Language courses should already have a good command of grammar and vocabulary and have competence in listening, reading, speaking and writing. It is assumed that most students will be in the final stages of their secondary school training and will have substantial course work in the language. These courses will emphasize the use of the target language for active communication. These classes prepare the student to take the AP language test, challenging the able student while providing a means of obtaining college credit or placement or both.

82900/82901 IB French SL 1 AA/BB  Grade: 11  1.0 credit

82920/82921 IB Spanish SL 1 AA/BB  Grade: 11  1.0 credit

82940/82941 IB German SL 1 AA/BB  Grade: 11  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

82902/82903 IB French SL 2 AA/BB  Grade: 12  1.0 credit

82922/82923 IB Spanish SL 2 AA/BB  Grade: 12  1.0 credit

82942/82943 IB German SL 2 AA/BB  Grade: 12  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

82910/82911 IB French HL 1 AA/BB  Grade: 11  1.0 credit

82930/82931 IB Spanish HL 1 AA/BB  Grade: 11  1.0 credit

82950/82951 IB German HL 1 AA/BB  Grade: 11  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.

82912/82913 IB French HL 2 AA/BB  Grade: 12  1.0 credit

82932/82933 IB Spanish HL 2 AA/BB  Grade: 12  1.0 credit

82952/82953 IB German HL 2 AA/BB  Grade: 12  1.0 credit

**Course Note:** Only offered at Walled Lake Western. See the IB Course section of the Program of Studies beginning on page 44.
Oakland Schools Technical Center

(OSTC)

All OSTC courses are by application only. Students must first submit an Online Request for Consideration by going to www.ostconline.com (under the enrollment tab). They will be contacted by both their home school counselor and the OSTC campus counselor if they are selected for attendance. Selection is based on several factors, primarily how closely the student’s EDP and career goals line up with their course selection. Priority deadline is in early December, space is limited so early inquiry is important.

80016/80017 Agriscience & Environmental Technology A/B Grades: 11-12 1.5 credit
Prerequisite: The OSTC Request for Consideration must be submitted online at www.OSTConline.com
Walled Lake students attend the SW Campus. College credits available through articulation agreements. Embedded 4th math credit is available.
This program is designed to prepare students with the skills necessary to successfully enter one or more of the following broad career areas: Biotechnology Systems, Environmental Systems, Animal Systems, and Plant Systems. The curriculum includes Forensic Science, Wildlife, Fisheries, and Forestry Management, Greenhouse Management, Floral Design, Hydroponic Management, Organic Gardening, Landscape Design, Veterinary Assisting, Animal Grooming, Biotechnology Technician Assisting, Environmental Science, and Aquacultures. Areas of study include:
► Plant Systems (hydroponics, tissue culture, and aquaculture)
► Animal Systems (including veterinary sciences)
► Environmental and Natural Resource Systems
► Agribusiness and Marketing
Certifications may vary by technical campus, so contact the Southwest campus for more information.

80076/80077 Construction Technology A/B Grades: 11-12 1.5 credit
Prerequisite: The OSTC Request for Consideration must be submitted online at www.OSTConline.com
College credits available through articulation agreements. Embedded 4th math credit is available.
Course Note: This course is only offered at the OSTC Clarkston and Pontiac Campuses. You must provide your own transportation.
This cluster provides students with opportunities to learn skills to work in all areas of the construction field including: carpentry, interior/exterior finishing, electrical, plumbing, masonry, heating, ventilation, air conditioning and refrigeration (HVAC), home repair, building and grounds maintenance, and construction management.

80080/80081 Cosmetology A/B Grades: 11-12 1.5 credit
Prerequisite: The OSTC Request for Consideration must be submitted online at www.OSTConline.com
College credits available through articulation agreements. Embedded 4th math and 3rd science credit is available.
Course Note: This is a regional cluster which is only offered at the OSTC Northeast, Pontiac Campus. You must provide your own transportation.
Successful completion of the Cosmetology program, which includes students earning 1900 hours, allows the student to apply for state licensing exams (summer school enrollment plus additional hours in senior year are required). This course includes extensive hands-on instruction using an advanced integrated curriculum in academics, technical, and workplace skills. Core skills include entrepreneurship, salon ecology, safety and electricity, general anatomy, and chemistry. Technical skills include hair care and treatments, esthetics, nail technology, hair cutting and hair coloring.
80090/80091  Culinary Arts/Hospitality A/B  Grades: 11-12  1.5 credit
**Prerequisite:**  The OSTC Request for Consideration must be submitted online at www.OSTConline.com
College credits available through articulation agreements. Embedded 4th math credit is available. This cluster prepares students for a broad background of skills and knowledge utilizing industry based tools, equipment and technology required to be productive in a modern commercial kitchen with applications in business procedures for today's professional. Computer systems are used to maintain inventory, place orders, and produce communications through simulations of actual industry situations. Training is provided in cooking, menu design, staffing and scheduling, food preparation, and financial management. Additionally, students will contribute to the day-to-day operations of a restaurant and catering services. Travel, tourism and hospitality fundamentals are also covered in the two-year program.

80100/80101  Health Sciences A/B  Grades: 11-12  1.5 credit
**Prerequisite:**  The OSTC Request for Consideration must be submitted online at www.OSTConline.com
Walled Lake students attend the SW Campus. College credits available through articulation agreements. Embedded 4th math and 3rd science credit is available.
The Health Sciences cluster provides students with core and foundation skills for health fields such as medical assisting, laboratory, medical office technology, dental assisting, optical technology, nursing, and pharmacy. Also, students will gain an understanding in all areas of the health core curriculum including safety, anatomy and physiology, asepsis, ethics, medical terminology, pharmacology, prevention and office procedures. Additional training opportunities are available in phlebotomist, EKG technician, sports safety, radiology aide, surgical technical aide, respiratory therapy aide, occupational therapist, physical therapist, dietary aide, and medical records and billing.

Certifications Available
- CNA Assistant
- CPR with AED Training
- (Automated External Defibrillator)
- First Aid Certification
- EMT - this is available as an Early College Option, contact a technical campus counselor for more information.

See Below  Transportation Technology Clusters  Grades: 11-12  1.5 credit
Transportation Automotive Technology  80020/21
Transportation Medium/Heavy Truck and Equipment  80110/11
Transportation Collision Repair  80070/71

**Prerequisite:**  The OSTC Request for Consideration must be submitted online at www.OSTConline.com
Walled Lake students attend the SW Campus. College credits available through articulation agreements. Embedded math credit is available.
The Transportation cluster is an intensive hands-on program designed to prepare the student with skills necessary to successfully enter into transportation careers. In this one or two-year course the student will gain core and technical skills related to gas and diesel engine theory, vehicle systems, basic mechanical principles, and the use of computerized diagnostic tools and equipment. Core curriculum includes competency in safety concepts, equipment operation, and measuring. Technical training competencies are based on state/national licensing and credentialing requirements.

Certifications Available
- ASE certifications (brakes, steering and suspension, engine performance, electrical/electronics)
- ASE Collision certification
- ASE Heavy Equipment certifications
See Below  Engineering and Emerging Technology Clusters  Grades: 11-12  1.5 credit
EET Machining  80120/21
EET Mechatronics  80122/23
EET Welding (NE campus only)  80160/61

Prerequisite:  The OSTC Request for Consideration must be submitted online at www.OSTConline.com

Walled Lake students attend the SW Campus. College credits available through articulation agreements. Embedded 4th math and 3rd science credit is available.

This course is an intensive hands-on program designed to prepare students with skills to enter post-secondary institutions or move directly into employment opportunities. Students will learn high-tech engineering technologies like mechatronics which include virtual simulation, computerized manufacturing, rapid prototyping, and alternative energies through a variety of instructional methods and self-paced competency-based computerized modules. Students will learn mechatronics core foundational skills including:

► Design Processes (CAD)
► Electricity/Electronics
► Fluid Power (hydraulics/pneumatics)
► Machining/Mechanical
► Quality Assurance
► Robotics
► Welding/Fabrication  (Not available at the SW Campus)

National Certifications may vary by campus. Examples include:

■ Delmia Certifications
■ American Welding Society Certifications
■ American Society of Body Engineers CATIA Certifications
■ Data Cabling Installers Certification
■ Fanuc Robotics Certification
■ Manufacturing Skill Standards Council (MSSC)
■ Production Technician Certification
■ Mobile Electronics Certified Professional (MECP)
■ International Society of Certified Electronics Th. (ISCET)
■ Siemens Mechatronics Certification
■ The Early College Option is available for EET Programs
80046/80047  iTEAM Clusters  
(Information Technology, Entrepreneurship, Advanced Marketing)  
Grades: 11-12  1.5 credit

Computer Networking  80060/61
Entrepreneurship Advanced Mkt  80140/41
Computer Programing  80040/41
Web Development  80050/51

Prerequisite: The OSTC Request for Consideration must be submitted online at www.OSTConline.com

Walled Lake students attend the SW Campus. College credits available through articulation agreements. Embedded 4th math credit is available.

In the iTEAM cluster, students learn Information Technology skills in Networking and PC Troubleshooting, Web Development, Mobile Application Development, Database Administration, and Programming. Within these career opportunities, students can earn certifications including: Certified Internet Webmaster (CIW), Adobe Certified Expert, A+, C++, Network+, and Microsoft Certified Professional (MCP). In addition, in the iTEAM career opportunity, students learn entrepreneurship skills and marketing skills that provide them with the knowledge necessary to manage and run their own business. They can also participate in an online partnership with Macomb Community College; earn college credits and a Certificate of Entrepreneurship or Information Technology. All students will have the opportunity to earn Microsoft Certified Application Specialist (2010) certifications, a Customer Service Certification, Sales Certification, and a Retail Management Certification.

Certifications
These may vary by technical campus, so contact the campus you plan on attending for more information. Examples include but are not limited to:

- C++ Programming
- Microsoft Computer Application Specialist (MCAS) 2010
- Microsoft Certified Professional (MCP)
- A+ Certification
- Network+
- Certified Novell Administrator
- Certified Internet Webmaster Associate (CIW)
- Certified Internet Webmaster Professional (CIW)
- Dreamweaver & Developer Certification
- Michigan Real Estate Salesperson License
- Certificate in Entrepreneurship through a partnership with Macomb Community College
- Internet & Computing Core IC3 Certificate
- Customer Service Certification
80150/80151  Visual Imaging A/B  Grades: 11-12  1.5 credit

Prerequisite: The OSTC Request for Consideration must be submitted online at www.OSTConline.com

Walled Lake students attend the SW Campus. College credit available through articulation agreements. Embedded 4th math credit available.

Students will train toward careers that communicate ideas and information to the public and include the areas of graphic communication, design communication, interactive multimedia/animation, and audio, video and film production skills and processes. Students will have opportunities in screen-printing, press operations and bindery; graphic layout, advertising design and marketing presentations used in “flat art” or the print publishing world. As for the electronically distributed universe, the student will be introduced to audio and video, and interactive media design and implementation used in radio, DVD, CD-ROM and the World Wide Web. Areas of study include:

- Audio/Video Production and Film
- Design and Visual Arts
- Graphic Communication
- Interactive Media/Design

Five PRINT ED nation certifications are available through the Graphic Arts Education Research Foundation (GAERF). They Include:

- Introduction to Graphic Communications
- Digital File Preparation
- Offset Press Operations
- Binding and Finishing
- Digital File Output Adobe Certified Expert

Desktop Publishing, Printing and Screen Printing... in graphic design, animation, and 3D design in the second year. Software utilized includes ADOBE PAGEMAKER, PHOTOSHOP and ILLUSTRATOR. Students will be encouraged to study for the ADOBE Certified Expert Exam (ACE) practice Digital Photography and Scanning.